Draft

WINGATE PARK REGIONAL EWMP PROJECT

Initial Study/Mitigated Negative Declaration

Prepared for City of Covina June 2021



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TABLE OF CONTENTSWingate Park Regional EWMP Project

Page

Section 1	Introduction1.1Statutory Authority and Requirements1.2Purpose	1-1 1-1 1-2
Section 2	Project Description	2-1 2-1 2-6 2-6 2-8 2-11 2-11
Section 3	Initial Study/Environmental Checklist Environmental Factors Potentially Affected Environmental Checklist	3-1 3-3 3-4
Section 4	Mitigation Monitoring Reporting Program 4.1 CEQA Requirements	4-1 4-1
Section 5	List of Preparers and Acronyms 5.1 List of Preparers 5.2 Acronyms	5-1 5-1 5-2

Appendices

- A. Air Quality Assumptions and Modeling
- B. Biological Resources Memorandum
- C. Phase 1 Archaeological Resources Study (Confidential Not for Public Distribution)
- D. Energy Assumptions and Modeling
- E. Geotechnical Report
- F. Paleontological Resources Assessment Report
- G. Greenhouse Gas Emissions Assumptions and Modeling
- H. Phase I Environmental Site Assessment
- I. Noise Measurements and Modeling
- J. Traffic Memorandum

<u>Page</u>

List of Figures

Figure 1	Regional Map	
Figure 2	Local Vicinity Map	2-3
Figure 3	Wingate Park Drainage Area	2-5
Figure 4	Site Plan	2-7
Figure 5	Landscape Concept Plan	2-9
Figure 6	Demolition Plan	2-10
Figure 7	Noise Measurement Locations	

List of Tables

Table III-1	Maximum Daily Construction Emissions	3-17
Table III-2	Maximum Daily Localized Construction Emissions	3-19
Table VIII-1	Annual Project Greenhouse Gas Emissions	3-50
Table XIII-1	Ambient Noise Levels	3-68
Table XIII-2	Construction Equipment and Maximum Noise Levels	3-68
Table XIII-3	Unmitigated Maximum Construction Noise Levels at Sensitive	
	Receptors	3-69
Table XIII-4	Vibration Source Levels for Construction Equipment	3-72
Table XVII-1	Construction Peak Hour Trip Generation [1]	3-85
Table 4-1	Mitigation Monitoring and Reporting Program for the Wingate Park	
	Regional EWMP Project	4-2

SECTION 1 Introduction

The City of Covina (City) has determined the Wingate Park Regional Enhanced Watershed Management Plan (EWMP) Project (Project) is subject to the guidelines and regulations of the California Environmental Quality Act (CEQA). This Initial Study addresses the indirect, direct, and cumulative environmental impacts associated with the Project. The Project includes the construction of a 1.65-acre underground infiltration gallery and associated underground facilities and infrastructure. A preliminary analysis projected the Project will capture, treat, and infiltrate up to 350 acre-feet (AF) of wet-weather and up to 300 AF of dry-weather runoff per year from various land uses within the cities of Covina (35 percent), Glendora (20 percent), and San Dimas (11 percent), as well as the surrounding unincorporated areas of Los Angeles County (34 percent). It was determined during the design and environmental review process that allowing dry-weather to bypass the diversion structure would be beneficial for the downstream habitat. The design approach was modified slightly to allow for dry-weather runoff to sustain downstream habitat and infiltrate in Charter Oak Wash rather than the subsurface infiltration system. Approximately 350 AF of wet-weather runoff will be captured and infiltrated through the subsurface infiltration system per year (based on an average rainfall year). An onsite flow meter will be used to quantify the volume captured following construction. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multi-purpose field (i.e., soccer, baseball) with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two electric vehicle (EV) charging stations within the parking lot.

1.1 Statutory Authority and Requirements

In accordance with the CEQA (Public Resources Code Sections 2100-21177) and pursuant to Section 15063 of Title 14 of the California Code of Regulations (CCR), the City of Covina, acting in the capacity of Lead Agency, is required to undertake the preparation of an Initial Study to determine if the Project would have a significant environmental impact. If the Lead Agency finds that there is no evidence that the Project, either as proposed or as modified to include the mitigation measures identified in the Initial Study, may cause a significant effect on the environment, the Lead Agency must find that the Project would not have a significant effect on the environment and must prepare a Negative Declaration or Mitigated Negative Declaration for that Project. Such determination can be made only if, "there is no substantial evidence in light of the whole record before the Lead Agency" that such impacts may occur (Section 21080(c), Public Resources Code).

The environmental documentation is intended as a document undertaken to provide an environmental basis for discretionary actions required to implement the Project. The environmental documentation and supporting analysis is subject to a public review period. During this review, public agency comments on the document should be addressed to the City. Following review of any comments received, the City will consider these comments as part of the Project's environmental review and include them with the Initial Study documentation for consideration by the Planning Commission and City Council of the City.

The preliminary determination by the City is that the preparation of a Mitigated Negative Declaration (MND) could be adequate to address the potential environmental issues associated with construction and operation of the Project. Therefore, this document is an Initial Study/MND (IS/MND). If the evaluation determines that a significant impact cannot be reduce to less than significant, then an environmental impact report would be required.

1.2 Purpose

The City has prepared this Draft Initial Study/Mitigated Negative Declaration (IS/MND) to provide the public and responsible agencies with information about the potential environmental impacts associated with implementation of the Wingate Park Regional EWMP Project. This Draft IS/MND includes project-level analysis of the potential effects associated with the Project.

This Draft IS/MND was prepared in compliance with the content requirements in Section 15071 of the CEQA Guidelines of 1970 (as amended) and California Code of Regulations, Title 14, Division, Chapter 3. In accordance with Section 15071, this MND include a description of the Project, the location of the Project, a proposed finding that the Project will not have a significant effect on the environment, includes an Initial Study that documents reasons to support the finding, and includes mitigation measures to avoid potentially significant impacts.

SECTION 2 Project Description

2.1 Project Location

Regionally, the Wingate Park Regional EWMP Project is located in the City of Covina within the San Gabriel Valley of Los Angeles County (County); refer to Figure 1, Regional Map. The surrounding jurisdictions include Duarte, Azusa, and Glendora to the north, San Dimas to the east, West Covina to the south, and Irwindale and Baldwin Park to the west and pockets of Los Angeles County Unincorporated Areas adjacent and within city limits. Locally, the Project site is located within the eastern portion of Wingate Park (formerly Kahler Russell Park), located at 734 North Glendora Avenue in the northeast portion of Covina; refer to Figure 2, Local Vicinity Map. Wingate Park consists of Assessor's Parcel Numbers (APNs) 8428-015-902 and 8428-023-901. The eastern portion of Wingate Park is located west of the intersection of North Glendora Avenue and East Colver Place. The western portion of Wingate Park is located east of North Grand Avenue. Specifically, the Project is comprised of a 1.65-acre underground infiltration gallery in the location of Wingate Park's existing eastern parking lot along North Glendora Avenue and a grass playing field adjacent to the parking lot and associated underground facilities and infrastructure located south of the parking lot (Project Site). Regional access to the Project Site is via Interstate 210 (I-210) to the north, Interstate 10 (I-10) to the south, and South Azusa Avenue/California State Route 39 (SR-39) to the west. Local access to the Project Site is from North Glendora Avenue to the east and North Grand Avenue to the west.

2.2 Environmental Setting

The Project Site is located within Wingate Park, a City owned 17-acre regional park developed in 1986. Recreational amenities and features of Wingate Park include one regulation-size lighted roller hockey rink, basketball courts, one tennis court, one paddle ball court, grass playing fields designated for football, soccer, and baseball, two playground areas designated for children aged 5 through 12, a natural trail with two bridges, walkways, picnic tables, restroom facilities and storage area, a composting area, and two parking lots located along North Glendora Avenue and North Grand Avenue. Wingate Park provides facilities for Kare Youth League (year round), American Youth Soccer Organization (A.Y.S.O.), and various community youth sports groups. These facilities are comprised of an office and grass playing fields for football, soccer, and baseball. Wingate Park is located adjacent to the natural Charter Oak Creek, a soft bottom channel, along the southern property line.



SOURCE: ESRI

Wingate Park Regional EWMP

Figure 1 Regional Map

ESA



SOURCE: Mapbox, 2020.

Wingate Park Regional EWMP

Figure 2 Local Vicinity Map

ESA

2.2.1 Existing Surface Water Quality

The Project will capture runoff from approximately 1,100 acres through a diversion on the Charter Oak Wash; refer to **Figure 3**, *Wingate Park Drainage Area*. The Project's drainage area represents approximately six percent of the Walnut Creek subwatershed. The Charter Oak Wash drains downstream to Walnut Creek, a tributary to the San Gabriel River. The EWMP Reasonable Assurance Analysis (RAA) details the Los Angeles County Municipal Separate Storm Sewer System (MS4) pollutant loading requirements for subwatershed areas draining to the Upper San Gabriel River Tributary. The RAA found zinc and bacteria to be the limiting pollutants within the EWMP Group area. The Project will aim to reduce associated pollutant loads in alignment with the RAA, EWMP, and MS4 Permit (Tetra Tech, 2018).

2.2.2 Existing Soil Types

The soils at the Project Site below the invert of the proposed infiltration gallery were observed as well-graded sand and silty sand with good drainage characteristics to a depth ranging from 15 to 20 feet. The soils at depths of 70 to 75 feet are comprised of well-graded sand with gravel, sandy clay with gravel, and lean clay. Before applying a reduction factor, infiltration rates ranging from 2.6 inches per hour to 50 inches per hour were observed at various depths.

2.2.3 Existing Groundwater

The depth of 100 feet is typically used in the design of infiltration facilities. The probability of groundwater levels rising above this level is low. During the Los Angeles County Department of Public Works (LACDPW) Geotechnical and Materials Engineering Division's (GMED's) subsurface explorations in 2017 and 2018, groundwater was not encountered in the soil boring to a depth of 100 feet. The probability of the groundwater levels rising about 100 feet below ground surface is very low (Tetra Tech, 2018).

2.2.4 General Plan and Zoning

The general plan designation for Wingate Park, including the Project Site, is Park. Permitted uses in the Park land use designation include community or neighborhood parks, ballfields, play lots, playfields, and related facilities and amenities and structures that are devoted primarily to passive or active recreational and similar uses. The zoning designation for the Wingate Park, including the Project Site, is R-1-7500, residential zone (single family) with 7,500-square-foot minimum lot areas.

2.2.5 Existing Surrounding Land Uses

Land uses immediately adjacent to Wingate Park, including the Project Site, consist of the following:

- North: Southern Pacific Railroad, commercial uses, and industrial uses.
- East: North Glendora Avenue, single-family residences, and multi-family residences.
- South: The natural Charter Oak Creek, single-family residences, and East Wingate Street.
- West: North Grand Avenue, single-family residences, commercial uses, and industrial uses.



Figure 3 Wingate Park Drainage Area

2.3 Project Background

The Wingate Park EWMP Project was included in the Upper San Gabriel River (USGR) EWMP Group (EWMP Group) EWMP Plan prepared in June 2015 and revised in January 2016. The EWMP Group is comprised of Los Angeles County, Los Angeles County Flood Control District (LACFCD), and the cities of Baldwin Park, Covina, Glendora, Industry, La Puente, and West Covina (Group Members). Based on the extensive initial screen process and through coordination with the Group Members, eight "signature" regional EWMP project sites, including the Wingate Park, were selected for conceptual design and inclusion in the EWMP Plan. These example regional EWMP projects retain and infiltrate or beneficially reuse stormwater runoff to address priority pollutants identified in the RAA and EWMP. The Wingate Park EWMP Project was approved for inclusion into the USGR Integrated Regional Watershed Management Plan (IRWMP).

2.4 Project Features

A preliminary analysis projected the Project will capture, treat, and infiltrate up to 350 AF of wetweather and up to 300 AF of dry-weather runoff per year from various land uses within the cities of Covina (35 percent), Glendora (20 percent), and San Dimas (11 percent), as well as the surrounding unincorporated areas of Los Angeles County (34 percent). It was determined during the design and environmental review process that allowing dry-weather to bypass the diversion structure would be beneficial for the downstream habitat. The design approach was modified slightly to allow for dry-weather runoff to sustain downstream habitat and infiltrate in Charter Oak Wash rather than the subsurface infiltration system. Approximately 350 AF of wet-weather runoff will be captured and infiltrated through the subsurface infiltration system per year (based on an average rainfall year). An onsite flow meter will be used to quantify the volume captured following construction. Capture, treatment, and infiltration of runoff and stormwater allows this water to contribute to groundwater recharge and replenishment to local aquifers that are used as sources of water to offset water transported from more distant resources. The Project will divert runoff from Charter Oak Wash, just downstream of the 69-inch reinforced concrete pipe and 6foot by 6-foot (6'x 6') double reinforced concrete box (RCB) storm drain confluence, into a 36inch diameter pipe from the storm drain to a pretreatment device to remove pollutants, sediment, and trash debris, with flow entering an underground infiltration gallery via gravity; refer to Figure 4, Site Plan. The proposed diversion structure will be located within the channel to capture runoff conveyed by the existing drainage system. Once stormwater fills the chamber, flows will continue as they do under existing conditions down the Charter Oak Wash located on the southern portion of Wingate Park during a storm. The analysis within this Draft IS/MND makes the assumption that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek. Overall, the Project design will be based on the site configuration, priority pollutants, and infiltration rate. Sizing will be optimized to improve water quality within the available space.



SOURCE: Tetra Tech, 2018

Wingate Park Regional EWMP

2.4.1 Project Operations

Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. The proposed stormwater and drainage facilities and equipment will be installed underground with the ground level restored to near existing conditions.

2.4.2 Park Improvements/Landscape Plan

Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multipurpose field (i.e., soccer, baseball) with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. Surrounding the parking lot and multi-purpose field, existing turf will be replaced with drought tolerant landscaping and a bioswale. Trees to be planted within the Project area include coast live oaks, desert willows, trident maples, and western redbuds. Shrubs, perennials, and grasses to be planted in the Project area are comprised of California wild rose, yarrow, dune manzanita, autumn sage, California goldenrod, small cape rush, English lavender, sage, manzanita, and deer grass; refer to **Figure 5**, *Landscape Concept Plan*.

2.5 Construction Activities and Grading

Project construction would take place for approximately 18 months, from June 2021 through December 2022. In general, construction activities would occur between 7:00 A.M. and 5:00 P.M., Monday through Friday, except on Sundays and federal holidays. Construction on Saturdays would require pre-approval by the City Engineer. The Project is proposing approximately 22,600 cubic yards of cut and 1,130 cubic yards of fill, resulting in approximately 21,470 cubic yards of soil export. Approximately 25 personnel would be used for construction of the Project. Construction of the Project would involve the use of a variety of heavy construction equipment onsite. The majority of the equipment and vehicles would be associated with the intensive earthwork, trench and backfill, and placement of pre-fabricated concrete vault structures into the ground. Large construction equipment including backhoes, compactors, cranes, excavators, haul trucks, pavers, and rollers would be used during the construction phase of the Project. Demolition of the Project includes removal of the existing pavement and base material in the parking lot and removal of the existing concrete sidewalk adjacent to the parking lot; refer to Figure 6, Demolition Plan. Clearing and grubbing of the Project Site includes removal of the existing turf in the grass playing field adjacent to the parking lot. Existing trees are anticipated to be removed in the parking lot for construction of the proposed underground infiltration gallery. Potential trees to be removed will be replanted by replacement trees per the City's Municipal Code. During construction of the Project, park facilities to the west of the grass playing field would remain open and available for park users. The parking lot along North Glendora Avenue would remain open to the public. The area surrounding the parking lot and grass playing field would be secured with construction fencing and would be closed to the public.



SOURCE: Tetra Tech, 2018

Wingate Park Regional EWMP

Figure 5 Landscape Concept Plan

ESA



SOURCE: Tetra Tech, 2018

Wingate Park Regional EWMP

Figure 6 Demolition Plan

2.6 Project Approvals

The City of Covina, as Lead Agency for the Project, has discretionary authority over the Project. In order to implement this Project, the Project will require a grading permit for grading in excess of 5,000 cubic yards and grading that would support a structure is designated as engineering grading.

In addition to the City of Covina approval, the following approvals may be required for the implementation of the Project.

- Los Angeles County Flood Control District (LACFCD) Major Modification Permit (construction of a water diversion structure, which is considered a drainage facility modification).
- State Water Resources Control Board (SWRCB) National Pollution Discharge Elimination System (NPDES) Construction Stormwater General Permit (one of more acres of soil will be disturbed during construction of the Project).
- Los Angeles Regional Water Quality Control Board (LARWQCB)– Clean Water Act (CWA) Section 401 Water Quality Certification (Project is diverting water from an open channel).
- California Department of Fish and Wildlife (CDFW) Fish and Game Code (FGC) Section 1602 Lake or Streambed Alteration Agreement (LSAA) (Project is diverting some water during a rainstorm from a natural drainage channel).
- U.S. Army Corps of Engineers (USACE) CWA Section 404 coverage under a Nationwide Permit.
 - USACE Non-Notifying Nationwide Permit 33 (temporary construction, access, and dewatering of open channel not connected to a major river or Corps built channel).
 - USACE Nationwide Permit 7 (authorizes the construction of outfall structures and associated intake structures).

2.7 References

- ESA, 2015. Los Angeles County Flood Control District Enhanced Watershed Management Programs, Draft Program Environmental Impact Report. January 2015.
- Tetra Tech, November 2018. Feasibility Study for the Upper San Gabriel River Enhanced Watershed Management Program. Appendix B. Wingate Park. Appendix H. Monitoring Plan. Appendix J. Operation and Maintenance Plan. November 14, 2018.

INTENTIONALLY BLANK

SECTION 3 Initial Study/Environmental Checklist

1.	Project Title:	Wingate Park Regional EWMP Project
2.	Lead Agency Name and Address:	City of Covina, Public Works Department 125 E. College Avenue, Covina, CA 91723
3.	Contact Person and Phone Number:	Sharon Gallant, Environmental Services Manager, 626-384-5484
4.	Project Location:	Regionally, the Wingate Park EWMP Project is located in the City of Covina within the San Gabriel Valley of Los Angeles County. Locally, the Project Site is located within the eastern portion of Wingate Park (formerly Kahler Russell Park), located at 734 North Glendora Avenue in the northeast portion of Covina. Wingate Park consists of APNs 8428- 015-902 and 8428-023-901.
5.	Project Sponsor's Name and Address:	City of Covina, Public Works Department 125 E. College Avenue, Covina, CA 91723
6.	General Plan Designation(s):	Park
7.	Zoning:	R-1-7500 (single family)

8. Description of Project:

A preliminary analysis projected the Project will capture, treat, and infiltrate up to 350 AF of wetweather and up to 300 AF of dry-weather runoff per year from various land uses within the cities of Covina (35 percent), Glendora (20 percent), and San Dimas (11 percent), as well as the surrounding unincorporated areas of Los Angeles County (34 percent). It was determined during the design and environmental review process that allowing dry-weather to bypass the diversion structure would be beneficial for the downstream habitat. The design approach was modified slightly to allow for dry-weather runoff to sustain downstream habitat and infiltrate in Charter Oak Wash rather than the subsurface infiltration system. Approximately 350 AF of wet-weather runoff will be captured and infiltrated through the subsurface infiltration system per year (based on an average rainfall year). An onsite flow meter will be used to quantify the volume captured following construction. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multi-purpose field (i.e., soccer, baseball) with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot.

9. Surrounding Land Uses and Setting:

Land uses immediately adjacent to Wingate Park, including the Project Site, consist of the following: Southern Pacific Railroad, commercial uses, and industrial uses to the north; North Glendora Avenue, single-family residences, and multi-family residences to the east; the natural Charter Oak Creek, single-family residences, and East Wingate Street to the south; and North Grand Avenue, single-family residences, commercial uses, and industrial uses to the west.

10. Other Public Agencies Whose Approval Is Required:

LACFCD, LACDPW, LARWQCB, SWRCB, CDFW, and USACE.

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

Yes, under Assembly Bill 52 (AB 52), the City prepared and mailed notification letters to California Native American tribes traditionally and culturally affiliated with the Project Site on November 17, 2020. To date, the City has received one response from the Gabrieleno Band of Mission Indians-Kizh Nation. The Gabrieleno Band of Mission Indians-Kizh Nation has traded emails with City staff between February 1 and February 18, 2021. The Gabrieleno Band of Mission Indians-Kizh Nation stated that the Project Site is located within the tribe's traditional ancestral territory and requested formal government-to-government consultation. On March 16, 2021, representatives from the City and the Gabrieleno Band of Mission Indians-Kizh Nation met via a telephone conference. For results of the government-to-government consultation, please refer to Section XVIII, *Tribal Cultural Resources*.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages. As shown below, none of the environmental factors were checked because each of the environmental issues were found to result in "No Impact", "Less than Significant Impact", or "Less than Significant with Mitigation Incorporated".

Biological Resources Cultural Resources Energy Geology/Soils Greenhouse Gas Emissions Hazards & Hazardous	
Geology/Soils Greenhouse Gas Emissions Hazards & Hazardous	
	Materials
Hydrology/Water Quality Land Use/Planning Mineral Resources	
Noise Depulation/Housing Dublic Services	
Recreation Transportation Tribal Cultural Resource	ces
Utilities/Service Systems 🛛 Wildfire 🖾 Mandatory Findings of	Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial study:

- □ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- □ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- □ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- □ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, pothing further is required.

C.U.2

Environmental Checklist

Aesthetics

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

Discussion

Would the Project:

a) Have a substantial adverse effect on a scenic vista?

Less Than Significant Impact. Scenic vistas consist of expansive, panoramic views of important, unique, or highly valued visual features that are seen from public viewing areas. This definition combines visual quality with information about view exposure to describe the level of interest or concern that viewers may have for the quality of a particular view or visual setting. A scenic vista can be impacted in two ways: a development project can have visual impacts by either directly diminishing the scenic quality of the vista or by blocking the view corridors or "vista" of the scenic resource. Important factors in determining whether a proposed project would block scenic vistas include the project's proposed height, mass, and location relative to surrounding land uses and travel corridors.

The City's General Plan Natural Resources and Open Space Element does not designate any scenic vistas within the City (Covina, 2000). However, the City is located near the foot of the San Gabriel Mountains, which are considered a prominent visual resource. The currently developed Project Site is located within an urbanized area predominately developed with residential, commercial, and industrial uses. Intermittent long-range views of the San Gabriel Mountains can be seen across the Project area in between existing buildings, fencing, and trees from the surrounding roadways, but the majority of these views are obstructed due to the existing structures, trees, and the relatively flat topography of the area.

Construction of the Project would require temporary ground disturbance within the Project Site. The presence of construction equipment and materials would be visible from public vantage points but would not affect any scenic views or vistas for longer than the temporary construction period. The Project would include the construction of a 1.65-acre underground infiltration gallery and associated underground facilities and infrastructure which would not be visible once constructed. The proposed stormwater and drainage facilities and equipment will be installed underground with the ground level restored to near existing conditions. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and the immediate area of Wingate Park include a multi-purpose field (i.e., soccer, baseball) with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. The proposed underground stormwater and drainage facilities and equipment, restored landscaping, and park improvements would be compatible with the existing facilities of Wingate Park. The Project would not include above-ground structures that would block or impede views in the vicinity of the Project Site. Therefore, development of the Project would not change the intermittent long-range views of the San Gabriel Mountains. As such, the Project would not result in a substantial adverse effect on a scenic vista, and impacts would be less than significant.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Less than Significant Impact. The Project Site is located in a highly urbanized area of the City and is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. The Project is not located in the vicinity of a City or state-designated scenic highway. The nearest officially designated state scenic highway, State Route 2 (SR-2), is located more than 15 miles north of the Project Site in the San Gabriel Mountains and would not be visible to motorists (Caltrans, 2020). The Project Site does not contain any rock outcroppings. As discussed below in Response V.a, based on a recent historical resources survey, no buildings or improvements on the Project Site are eligible for the National Register, California Register, or Local Designation Therefore, no damage to historical resources would occur with implementation of the Project. Vegetation on the Project Site consists of a mix of developed/ornamental landscaping and native and non-native shrubs and trees. Existing trees located in the parking lot are anticipated for removal due to the construction of the proposed underground infiltration gallery. All other trees within the Project Site are anticipated to remain. The Project would comply with applicable provisions pertaining to the removal and replacement of trees per Chapter 17.83, Tree Preservation, of the City's Municipal Code. Further, it is anticipated that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek. Overall, based on the above, the Project would not substantially damage scenic resources located within the vicinity of a scenic highway and a less than significant impact would occur.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less Than Significant Impact. The Project Site is located in a highly urbanized area of the City and is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. Construction activities associated with the Project would require the use of construction equipment and storage of materials on-site, thus introducing contrasting features into the visual landscape that affect the visual quality of the Project Site and the immediate vicinity. Contrasting features would include demolition materials, excavated areas, stockpiled soils, and other materials generated and stored on-site during construction. However, adverse effects to visual character associated with Project construction would be temporary.

The Project would include the construction of a 1.65-acre underground infiltration gallery and associated underground facilities and infrastructure which would not be visible once constructed. The proposed stormwater and drainage facilities and equipment will be installed underground with the ground level restored to near existing conditions. The proposed facilities and equipment would be maintained periodically to remove trash and debris to prevent odor and to preserve the aesthetic value of the Project Site. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. The proposed underground stormwater and drainage facilities and equipment, restored landscaping, and park improvements would be compatible with the existing facilities of Wingate Park.

Vegetation on the Project Site consists of a mix of developed/ornamental landscaping and native and non-native shrubs and trees. Existing trees located in the parking lot are anticipated for removal due to the construction of the proposed underground infiltration gallery. All other trees within the Project Site are anticipated to remain. The Project would comply with applicable provisions pertaining to the removal and replacement of trees per Chapter 17.83, Tree Preservation, of the City's Municipal Code. Further, it is anticipated that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek. In addition, construction of the Project is consistent with the existing zoning designation for Wingate Park, which is R-1-7500, residential zone (single family).

Overall, construction and operation of the Project would not conflict with the applicable zoning or other regulations governing scenic quality. A less than significant impact would occur in this regard.

d) Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?

Less Than Significant Impact. The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and industrial uses. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. The Project vicinity exhibits considerable ambient nighttime illumination levels due to the densely developed nature of the area and adjacent properties. Artificial light sources from the on-site uses and other surrounding properties include interior and exterior lighting for security, parking lot lighting, and incidental landscape lighting. Automobile headlights, streetlights, and stoplights for visibility and safety purposes along North Glendora Avenue contribute to overall ambient lighting levels as well.

Security lighting used during the construction of the Project, if necessary, could introduce new sources of light to the Project Site and the immediate vicinity. If security lighting is needed, it can be shielded and directed away from surrounding light-sensitive land uses. Further, construction of the Project would not occur during evening hours. Temporary impacts associated with light during construction activities would be less than significant.

The Project would include the construction of a 1.65-acre underground infiltration gallery and associated underground facilities and infrastructure which would not be visible once constructed. The proposed underground stormwater and drainage facilities and equipment would not involve the installation of permanent new outdoor lighting. Once the proposed underground infiltration gallery is constructed, the Project would replace the existing parking lot lighting which would be removed during Project construction. The proposed multi-purpose field would include up to six mounted light poles, introducing new outdoor lighting to the Project Site and immediate vicinity. Hours of operation for Wingate Park are 5:00 A.M. to 10:00 P.M., seven days a week. The proposed lighting for the multi-purpose field would be shut off upon closure of Wingate Park every evening. Although implementation of the Project would introduce new sources of lighting to the Project Site that are typical of recreational and urban uses, all outdoor lighting would be shielded and oriented downward to reduce light spillage onto adjacent properties. The final lighting plan for the Project would be subject to review and approval by the City as part of the site plan review process. Further, all proposed outdoor lighting would be subject to applicable regulations contained within the City's Municipal Code. Compliance with these regulations would ensure that operational impacts regarding Project lighting would be less than significant.

Glare within the Project Site and the surrounding area occurs from sunlight reflected from reflective materials utilized in existing buildings along the North Glendora Avenue and from vehicle windows and surfaces. Glare-sensitive receptors include motorists on the roadways surrounding the Project Site. As glare is a temporary phenomenon that changes with the movement of the sun, receptors other than motorists are generally less sensitive to glare impacts than to light impacts. Impacts related to glare would be minimal because the Project would not include the construction of above-ground buildings or structures with highly reflective materials (e.g., windows or glass with mirror-like tints). As such, a less than significant impact would occur in this regard.

References

California Department of Transportation (Caltrans). 2020. List of Eligible and Officially Designated State Scenic Highways. Available at https://dot.ca.gov/programs/design/laplandscape-architecture-and-community-livability/lap-liv-i-scenic-highways, accessed November 25, 2020.

City of Covina. 2000. General Plan Natural Resources and Conservation Element. 2000.

Agriculture and Forestry Resources

Issi	ues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
II.	AGRICULTURE AND FORESTRY RESOURCES— In determining whether impacts to agricultural resource refer to the California Agricultural Land Evaluation and Dept. of Conservation as an optional model to use in a determining whether impacts to forest resources, inclu agencies may refer to information compiled by the Ca the state's inventory of forest land, including the Forest Assessment project; and forest carbon measurement California Air Resources Board. Would the project:	es are significa I Site Assessm assessing impa Iding timberlan lifornia Departr st and Range A methodology p	ant environmental of nent Model (1997) acts on agriculture d, are significant e ment of Forestry ar assessment Projec provided in Forest F	effects, lead ag prepared by the and farmland. I nvironmental e nd Fire Protection t and the Fores Protocols adopt	encies may California n ffects, lead on regarding t Legacy ed by the
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?				\boxtimes
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				
d)	Result in the loss of forest land or conversion of forest land to non-forest use?				\boxtimes
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				\boxtimes

Discussion

Would the Project:

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and industrial uses. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. According to the City's General Plan Natural Resources and Open Space Element, the City is approximately 99 percent built out and does not contain usable agricultural soils or important agricultural areas (Covina, 2000). Further, the Project Site does not contain agricultural uses or related operations and is not designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program (DOC, 2020). Therefore, the Project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural uses. No impact would occur in this regard.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. The Project Site is currently zoned R-1-7500 residential zone (single family). No portion of the Project Site or surrounding land uses are zoned for agriculture and no nearby lands are enrolled under the Williamson Act. As discussed above, the City is approximately 99 percent built out and does not contain usable agricultural soils or important agricultural areas (Covina, 2000). As such, the Project would not conflict with existing zoning for agricultural uses or a Williamson Act Contract and no impact would occur in this regard.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The Project Site is currently zoned R-1-7500 residential zone (single family). The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and industrial uses. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. No forest land or land zoned for timberland is present on the Project Site or in the surrounding area. According to the City's Natural Resources and Open Space Element, the City is approximately 99 percent built out and does not contain any forests (City of Covina, 2000). As such, the Project would not conflict with existing zoning for forest land or timberland and no impact would occur in this regard.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. No forest land exists on the Project Site or in the surrounding area. As discussed above in Response II.c, the City is approximately 99 percent built out and does not contain any forests (City of Covina, 2000). As such, the Project would not result in the loss of forestland or the conversion of forestland to non-forest use. No impact would occur in this regard.

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. As discussed above in Responses II.a through II.d, there are no agricultural or forest uses or related operations on or near the Project Site. Therefore, the Project would not involve the conversion of farmland forest land to other uses. No impacts to agricultural or forest land or uses would occur in this regard.

References

- City of Covina, 2000. General Plan, Natural Resources and Open Space Element, page D-9. Adopted April 18, 2000.
- DOC, 2020. California Department of Conservation, California Important Farmland Finder, https://maps.conservation.ca.gov/dlrp/ciff/, accessed December 2020.

Air Quality

Issu	es (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
III.	AIR QUALITY— Where available, the significance criteria established b pollution control district may be relied upon to make th	by the applicabl	le air quality manag erminations. Would	gement district c I the project:	or air
a)	Conflict with or obstruct implementation of the applicable air quality plan?			\boxtimes	
b)	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?			\boxtimes	
c)	Expose sensitive receptors to substantial pollutant concentrations?			\boxtimes	
d)	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			\boxtimes	

Discussion

Would the Project:

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

Less than Significant Impact. The Project Site is located within the 6,745-square-mile South Coast Air Basin (SCAB). Air quality planning for the SCAB is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD has adopted a series of Air Ouality Management Plans (AOMPs) to meet the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS) for criteria air pollutants. The SCAQMD is required, pursuant to the Clean Air Act, to reduce emissions of criteria pollutants for which the Air Basin is in non-attainment of the NAAQS (e.g., ozone $[O_3]$, and particulate matter 2.5 microns in diameter or less [PM2.5]). The SCAQMD, California Air Resources Board (CARB), and United States Environmental Protection Agency (USEPA) have adopted the 2012 AQMP which incorporates scientific and technological information and planning assumptions, regarding air quality, including the Southern California Association of Governments (SCAG) 2012 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), and emission inventory methodologies for various source categories (SCAQMD 2013). The AQMP builds upon other agencies' plans to achieve federal standards for air quality in the Air Basin and incorporates a comprehensive strategy aimed at controlling pollution from all sources, including stationary sources, and on-road and off-road mobile sources. In addition, it highlights the significant amount of emission reductions needed and the urgent need to identify additional strategies, especially for mobile sources, to meet all federal criteria pollutant standards in accordance with the Clean Air Act.

The AQMP contains a comprehensive list of pollution control strategies directed at reducing emissions and achieving the NAAQS. These strategies are developed, in part, based on regional growth projections prepared by the SCAG. As part of its air quality planning, SCAG has prepared the Regional Comprehensive Plan (RCP) and Guide and the RTP/SCS, which provide the basis

for the land use and transportation components of the AQMP and are used in the preparation of the air quality forecasts and the consistency analysis included in the AQMP. Both the RCP and AQMP are based, in part, on projections originating with county and city general plans.

The 2012 AQMP was prepared to accommodate growth, reduce the high levels of pollutants within the areas under the jurisdiction of SCAQMD, return clean air to the region, and minimize the impact on the economy. Projects that are consistent with the assumptions used in the AQMP do not interfere with attainment because the growth is included in the projections utilized in the formulation of the AQMP. Thus, projects, uses, and activities that are consistent with the applicable growth projections and control strategies used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP, even if it would individually exceed the SCAQMD's numeric indicators.

Control strategies in the 2012 AQMP with potential applicability to reducing short-term emissions from construction activities associated with the Project include strategies denoted in the AQMP as ONRD-04 and OFFRD-01, which are intended to reduce emissions from on-road and off-road heavy-duty vehicles and equipment. Descriptions of measures ONRD-04 and OFFRD-01 are provided below:

- **ONRD-04** Accelerated Retirement of Older On-Road Heavy-Duty Vehicles: This measure seeks to replace up to 1,000 heavy-duty vehicles per year with newer or new vehicles that at a minimum, meet the 2010 on-road heavy-duty NO_X exhaust emissions standard of 0.2 grams per brake horsepower-hour (g/bhp-hr).
- **OFFRD-01 Extension of the Soon Provision for Construction/Industrial Equipment:** This measure continues the Surplus Off-Road Option for NO_X (SOON) provision of the statewide In-Use Off-Road Fleet Vehicle Regulation beyond 2014 through the 2023 timeframe.

The SCAQMD Governing Board adopted the 2016 AQMP on March 3, 2017 (SCAQMD 2016). CARB approved the 2016 AQMP on March 23, 2017. USEPA approval is pending, but is a necessary requirement before the 2016 AQMP can be incorporated into the State Implementation Plan. Key elements of the 2016 AQMP include implementing fair-share emissions reductions strategies at the federal, state, and local levels; establishing partnerships, funding, and incentives to accelerate deployment of zero and near-zero-emissions technologies; and taking credit from co-benefits for greenhouse gas (GHG), energy, transportation and other planning efforts. The strategies included in the 2016 AQMP are intended to demonstrate attainment of the NAAQS for the federal O₃ and PM2.5 standards. The 2016 AQMP also incorporates growth projections from the SCAG 2016 RTP/SCS. Until such time as the 2016 AQMP is approved by the USEPA, the 2012 AQMP remains the applicable AQMP for federal air quality planning purposes. However, the 2016 AQMP is used in the analyses in this section, since it has been adopted by both SCAQMD and CARB. The 2016 AQMP incorporates the above-listed 2012 AQMP control strategies, which are designated as MOB-08 and MOB-10.

Construction Emissions

Construction activities associated with the Project have the potential to generate temporary criteria pollutant emissions through the use of heavy-duty construction equipment, such as

excavators and backhoes, and through vehicle trips generated from worker trips and haul trucks traveling to and from the Project area. In addition, fugitive dust emissions would result from demolition and various soil-handling activities. Mobile source emissions, primarily oxides of nitrogen (NO_X), would result from the use of construction equipment such as graders and loaders. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of construction activity, and prevailing weather conditions. The assessment of construction air quality impacts considers each of these potential sources.

Under this criterion, the SCAQMD recommends that lead agencies demonstrate that a project would not directly obstruct implementation of an applicable air quality plan and that a project be consistent with the assumptions (typically land-use related, such as resultant employment or residential units) upon which the air quality plan is based. The Project would result in an increase in short-term employment compared to existing conditions. Being relatively small in number and temporary in nature, construction jobs under the Project would not conflict with the long-term employment projections upon which the AQMP is based. As discussed above, emission control strategies in the AQMP with potential applicability to short-term emissions from construction activities include strategies denoted in the 2012 AQMP as ONRD-04 and OFFRD-01 and denoted in the 2016 AOMP as MOB-8 and MOB-10 in the 2016 AOMP, which are intended to reduce emissions from on-road and off-road heavy-duty vehicles and equipment by accelerating replacement of older, emissions-prone engines with newer engines meeting more stringent emission standards. Construction contractors utilized for the Project would be required to comply with State regulations that require the phase-in of less polluting construction equipment and trucks (Title 13 California Code of Regulations [CCR], Sections 2449 and 2025) and as such, the Project would not conflict with implementation of these AOMP emissions reduction strategies. Additionally, the Project would comply with CARB requirements to minimize short-term emissions from on-road and off-road diesel equipment. The Project would also comply with SCAQMD regulations for controlling fugitive dust pursuant to SCAQMD Rule 403, which includes watering to suppress dust, covering or stabilizing haul trucks, and other fugitive dust control measures.

Compliance with these requirements is consistent with and meets or exceeds the AQMP requirements for control strategies intended to reduce emissions from construction equipment and activities. Because the Project would not conflict with the control strategies intended to reduce emissions from construction equipment, the Project would not conflict with or obstruct implementation of the AQMP, and impacts would be less than significant.

Operational Emissions

The 2016 AQMP was prepared to accommodate growth, reduce the levels of pollutants within the areas under the jurisdiction of SCAQMD, return clean air to the region, and minimize the impact on the economy. Projects that are considered consistent with the AQMP would not interfere with attainment because this growth is included in the projections used in the formulation of the AQMP. The Project represents an infrastructure project that would have no effect on long-term population and employment growth. As the Project would not conflict with the growth projections in the AQMP, impacts would be less than significant.

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

Less than Significant Impact. The SCAB is currently in extreme nonattainment for ozone (federal and State standards), non-attainment for respirable particulate matter 10 microns in diameter or less (PM10) (State standards) and PM2.5 (federal and State standards). The SCAQMD's approach for assessing cumulative impacts related to operations is based on attainment of ambient air quality standards in accordance with the requirements of the federal and State Clean Air Acts. As discussed above, the SCAQMD has developed a comprehensive plan, the 2016 AQMP, which addresses the region's cumulative air quality condition.

A significant impact may occur if a project were to add a cumulatively considerable contribution of a federal or State non-attainment pollutant. Because the SCAB is currently in nonattainment for ozone, PM10 and PM2.5, related projects could cause ambient concentrations to exceed an air quality standard or contribute to an existing or projected air quality exceedance. Cumulative impacts to air quality are evaluated under two sets of thresholds for CEQA and the SCAQMD. In particular, CEQA Guidelines Sections 15064(h)(3) provides guidance in determining the significance of cumulative impacts. Specifically, Section 15064(h)(3) states in part that:

"A lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program which provides specific requirements that will avoid or substantially lessen the cumulative problem (e.g., water quality control plan, air quality plan, integrated waste management plan) within the geographic area in which the project is located. 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 ..."

For purposes of the cumulative air quality analysis with respect to CEQA Guidelines Section 15064(h)(3), the Project's incremental contribution to cumulative air quality impacts is determined based on compliance with the SCAQMD adopted 2016 AQMP. The 2016 AQMP includes demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment), developed by SCAG for their 2016 Regional Transportation Plan (RTP). As discussed above in Response III.a, the Project would not conflict with the 2016 AQMP.

The Project would contribute to local and regional air pollutant emissions during construction (short-term or temporary). However, based on the following analysis, construction and operation of the Project would result in less than significant impacts relative to the daily significance thresholds for criteria air pollutant emissions established by the SCAQMD for construction and operational phases (SCAQMD 2015).

Daily regional and annual construction and operational source Project criteria pollutant emissions (NO_x, volatile organic compounds [VOC], PM10, PM2.5, sulfur oxides [SO_x], and carbon monoxide [CO]) are estimated using the California Emissions Estimator Model (CalEEMod)

(Version 2016.3.2) software, an emissions inventory software program recommended by the SCAQMD. The model also calculates emissions from direct and indirect sources and quantifies applicable emissions reductions achieved from emissions control strategies and mitigation measures. CalEEMod is based on outputs from off-road vehicle model (OFFROAD) and emission factors model (EMFAC)2014, which are emissions estimation models developed by CARB and used to calculate emissions from construction activities, including on- and off-road vehicles and statewide and regional emissions inventories from all motor vehicles, including passenger cars to heavy-duty trucks, operating on highways, freeways, and local roads in California. CalEEMod was used to estimate emissions from off-road equipment, while mobile source emissions were calculated separately using client-provided trip amounts, trip lengths, and trip types and applying emission factors from EMFAC2017. When trip information was not explicitly provided, CalEEMod defaults were used instead. The input values used in the CalEEMod modeling analysis were adjusted based on Project-specific information. Assumptions and modeling output are included in **Appendix A**, *Air Quality Assumptions and Modeling*, of this Draft IS/MND.

Construction Emissions

Construction activities associated with the Project would result in emissions of CO, VOCs, NO_x, SO_x, PM10, and PM2.5. Construction related emissions are expected from all phases of construction: demolition, site preparation, grading/excavation, drainage/utilities/subgrade, foundations/concrete pour, paving, infiltration chamber installation, pervious pavement installation, and landscaping. Construction is expected to commence in June 2021 and would last through December 2022, as described previously in Section 2.5, Construction Activities and Grading, of the Project Description. The construction schedule utilized in the Air Quality Impact Analysis represents a "worst-case" scenario. It is assumed that construction for the landscaping would occur concurrently with work for the site amenities. If construction commences later than the anticipated start date, air quality impacts would be less than those analyzed herein, because a more energy-efficient and cleaner burning construction equipment fleet mix would be expected in the future, pursuant to State regulations that require construction equipment fleet operators to phase-in less polluting heavy-duty equipment. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Site specific construction fleet may vary due to Project specific needs at the time of construction. The analysis utilized construction fleet information and a construction schedule provided by CWE. A detailed summary of construction assumptions is provided in Section 2.5, Construction Activities and Grading, of the Project Description.

The estimated maximum daily construction emissions are summarized in **Table III-1**, *Maximum Daily Construction Emissions*. Landscaping construction and site amenities construction may occur simultaneously so emissions are summed and presented as overlapping phases below. Emissions from the construction would not exceed any criteria pollutant thresholds established by the SCAQMD. Therefore, impacts would be less than significant.
	Emissions (pounds per day)							
Year	VOC	NO _x	CO	SOx	PM10	PM2.5		
Construction Phases								
Demolition – 2021	0.8	8.5	10.9	0.0	1.8	0.6		
Site Preparation – 2021	0.4	4.2	5.5	0.0	0.5	0.3		
Grading – 2021	1.9	23.7	15.5	0.0	1.4	0.9		
Infiltration Chamber Installation – 2021	0.9	10.1	8.0	0.0	1.0	0.5		
Drainage/Utilities/Sub-Grade – 2021	0.4	3.3	5.1	0.0	0.4	0.2		
Drainage/Utilities/Sub-Grade – 2022	0.3	2.8	5.0	0.0	0.4	0.2		
Foundation/Concrete Pour – 2022	0.1	0.4	1.0	0.0	0.3	0.1		
Pervious Pavement – 2022	0.3	1.8	3.2	0.0	0.3	0.1		
Paving – 2022	0.7	7.6	8.4	0.0	0.8	0.4		
Landscaping Construction – 2022	0.3	3.2	4.5	0.0	0.4	0.2		
Site Amenities – 2022	0.4	2.7	3.5	0.0	1.1	0.3		
Overlapping Phases								
Landscaping Construction + Site Amenities – 2022	0.7	5.8	8.0	0.0	1.6	0.5		
Maximum Daily Regional Emissions	2	24	16	<1	2	1		
SCAQMD Regional Threshold	75	100	550	150	150	55		
Threshold Exceeded?	No	No	No	No	No	No		
SOURCE: ESA 2020.								

TABLE III-1 MAXIMUM DAILY CONSTRUCTION EMISSIONS

Operational Emissions

During operation of the Project, there would only be periodic maintenance for the underground stormwater and drainage facilities and equipment, as described in Section 2.4.1, *Project Operations*, of the Project Description. It is anticipated that operational activities would be limited to a single vacuum truck operated by one or two workers on a quarterly basis. As such, the Project would not generate a substantial increase in the number of employees and therefore emissions from mobile sources would not increase over existing conditions. Further, the Project Site will be potentially improved with potential multi-purpose field with lighting, natural play areas, and the installation of two electric vehicle charging stations. The improvements would not result in an increase in operational emissions. Therefore, impacts would be less than significant.

By applying SCAQMD's cumulative air quality impact methodology, implementation of the Project would not result in an addition of criteria pollutants such that cumulative impacts would occur, in conjunction with related projects in the region. In addition, construction of the Project is not expected to result in a cumulatively considerable net increase of any criteria pollutant for which the SCAQMD is in non-attainment (ozone, PM10, PM2.5). Therefore, impacts would be less than significant.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. The localized effects from the on-site portion of the emissions are evaluated at nearby sensitive receptor locations potentially impacted by the Project according to the SCAQMD's Localized Significance Threshold Methodology (June 2003, revised July 2008), which relies on on-site mass emission rate screening tables and project-specific dispersion modeling typically for sites greater than five acres, as appropriate (SCAQMD 2008). The localized significance thresholds are applicable to NO_X , CO, PM10, and PM2.5. For NO_X and CO, the thresholds are based on the ambient air quality standards. For PM10 and PM2.5, the thresholds are based on requirements in SCAQMD Rule 403 (Fugitive Dust) for construction and Rule 1303 (New Source Review Requirements) for operations. The SCAQMD has established screening criteria that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance thresholds and therefore not cause or contribute to an exceedance of the applicable ambient air quality standards without Project-specific dispersion modeling. The screening criteria depend on: (1) the area in which the Project is located, (2) the size of the Project Site, and (3) the distance between the Project Site and the nearest sensitive receptor (e.g., residences, schools, hospitals). The screening criteria were utilized in this assessment. For the Project, the appropriate Source Receptor Area (SRA) for the localized significant threshold (LST) is the East San Gabriel Valley monitoring station (SRA 9). Since the total acreage disturbed is less than five acres per day, SCAQMD's screening look-up tables were used to determine localized significance thresholds. The nearest sensitive receptors to the Project Site are the residential uses located adjacent to the Project Site including single and multi-family residences to the east along North Glendora Avenue, single-family residences to the south along East Wingate Street, and single-family residences to the west along North Grand Avenue, as described in Section 2.2.5 Existing Surrounding Land Uses, of the Project Description. Receptors adjacent to the Project Site may be exposed to localized emissions on short-term and temporary basis. While the total construction site area is approximately 3.5 acres, a worst-case construction day would disturb 2 acres at most.

SCAQMD's Methodology clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, for purposes of the LST analysis only emissions included in the CalEEMod "on-site" emissions outputs were considered. The significance thresholds determined conservatively assume LST screening levels for a 2-acre site that is 25 meters away from the nearest sensitive receptor.

Localized Construction Emissions

Table III-2, *Maximum Daily Localized Construction Emissions*, identifies the localized impacts at the nearest receptor location in the vicinity of the Project Site. The localized emissions during construction activity would not exceed any of the SCAQMD's localized significance thresholds. Therefore, impacts would be less than significant.

	Emissions (pounds per day)					
Year	NO _x	со	PM10	PM2.5		
Construction Phases						
Demolition – 2021	7.8	10.1	1.5	0.6		
Site Preparation – 2021	3.8	4.5	0.2	0.2		
Grading – 2021	19.9	13.8	0.8	0.7		
Infiltration Chamber Installation – 2021	8.6	6.5	0.4	0.4		
Drainage/Utilities/Sub-Grade – 2021	3.2	4.3	0.2	0.2		
Drainage/Utilities/Sub-Grade – 2022	2.8	4.3	0.1	0.1		
Foundation/Concrete Pour – 2022	0.3	0.2	0.0	0.0		
Pervious Pavement – 2022	1.7	2.5	0.1	0.1		
Paving – 2022	5.5	7.2	0.3	0.3		
Landscaping Construction – 2022	3.1	3.7	0.2	0.2		
Site Amenities – 2022	2.4	2.8	0.9	0.2		
Overlapping Phases						
Landscaping Construction + Site Amenities – 2022	5.5	6.5	1.1	0.4		
Maximum Daily Localized Emissions	19.9	13.8	1.5	0.7		
SCAQMD Regional Threshold	128	953	7.0	5.0		
Threshold Exceeded?	No	No	No	No		
SOURCE: ESA 2020.						

TABLE III-2 MAXIMUM DAILY LOCALIZED CONSTRUCTION EMISSIONS

Operational Emissions

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources that may queue and idle at the site (e.g., warehouse or transfer facilities). The Project's proposed underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features are not expected to be a source of air emissions. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is needed.

CO "Hot Spot" Analysis

According to SCAQMD ambient air quality monitoring data, existing CO concentrations within the Project Site (Source Receptor Area 9, East San Gabriel Valley 1 (Azusa)) for 2017, 2018, and 2019 were approximately 1.8, 1.4, 1.6 parts per million (ppm), respectively, for the maximum 1-hour average and 0.9, 1.0, 1.1 ppm, respectively, for the maximum 8-hour average (SCAQMD 2017, 2018, 2019). These measured values are substantially below the most stringent ambient air quality standard of 20 ppm for the 1-hour average and 9.0 ppm for the 8-hour average.

A CO hotspot is an area of localized CO pollution that is caused by severe vehicle congestion on major roadways, typically near intersections. Projects may worsen air quality if they increase the percentage of vehicles in cold start modes by two percent or more; significantly increase traffic volumes (by five percent or more) over existing volumes; or worsen traffic flow, defined for signalized intersections as increasing average delay at intersections operating at Level of Service (LOS) E or F or causing an intersection that would operate at LOS D or better without the Project, to operate at LOS E or F. While construction-related traffic on the local roadways would occur during construction, the net increase of construction worker vehicle trips to the existing daily traffic volumes on the local roadways would be relatively small (no more than 18 construction workers at a time) and would not result in CO hotspots in excess of the 1-hour or 8-hour ambient air quality standard. Additionally, the construction-related vehicle trips would only occur in the short-term and intermittently to the Project Site.

During operation, only minimal emissions would be generated from vehicle trips by worker staff for periodic inspection and maintenance purposes. The Project would not produce the volume of traffic required to generate a CO hotspot. Therefore, impacts would be less than significant.

Toxic Air Contaminants

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

Construction

Intermittent construction activities associated with the Project would result in short-term emissions of diesel particulate matter, which the State has identified as a TAC. During construction, the exhaust of off-road heavy-duty diesel equipment would emit diesel particulate matter during general construction activities, such as demolition, site preparation, grading/excavation, and installation of infiltration chambers.

Diesel particulate matter poses a carcinogenic health risk that is generally measured using an exposure period of 30 years for sensitive residential receptors, according to the California Environmental Protection Agency (CalEPA), Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA Guidance), which was updated in 2015 with new exposure parameters including age sensitivity factors (OEHHA 2015). Sensitive receptors (residences) would be located adjacent to the Project Site; however, localized diesel particulate matter emissions (strongly correlated with PM2.5 emissions) would be minimal and would be below localized thresholds as presented in Table III-2. Although the localized analysis does not directly measure health risk impacts, it does provide data that can be used to evaluate the potential to cause health risk impacts. The low level of PM2.5 emissions coupled with the short-term duration of construction activity and the relatively small-scale of the Project would result in overall low level of diesel particulate matter concentrations in the Project area. Furthermore, compliance with the CARB airborne toxic control measures (ATCM) anti-idling measure, which limits idling to no

more than five minutes at any location for diesel-fueled commercial vehicles, would further minimize diesel particulate matter emissions in the Project Site. The Project would utilize a construction contractor(s) that complies with required and applicable Best Available Control Technology (BACT) and the In-Use Off-Road Diesel Vehicle Regulation. Thus, it is expected that sensitive receptors would be exposed to emissions below thresholds and construction TAC impacts would be less than significant.

Operations

The Project would introduce new underground stormwater and drainage facilities and equipment, such as drywells and infiltration chambers. However, the facilities and equipment would not generate TAC emissions into the outdoor environment. Therefore, the Project would not expose surrounding sensitive receptors to TAC emissions. Impacts would be considered less than significant.

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

Less than Significant Impact. As shown in Table III-1, the Project would not exceed any criteria pollutant thresholds for which the SCAQMD is in attainment (CO, SOX). Therefore, impacts would be less than significant.

Odors

Potential sources that may emit odors during construction activities include construction equipment exhaust and the application of asphalt for parking lot resurfacing. According to the SCAQMD CEQA Air Quality Handbook, construction equipment is not a typical source of odors. While there is no specific architectural coating construction phase, SCAQMD Rule 1113 would limit the amount of VOCs from architectural coatings and solvents used during construction. Further, construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of construction. Through adherence with mandatory compliance with SCAQMD Rules, no construction activities or materials are proposed which would create objectionable odors. Given that the Project Site is located in a residential neighborhood; it is assumed that this would be the worst case scenario as the residences (sensitive receptor) are adjacent to the Project.

According to the SCAQMD CEQA Air Quality Handbook, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities. While the Project would install infiltration chambers, stormwater diversion structures, pretreatment, drain lines, and valves, and drywells, these facilities are not anticipated to generate fugitive or evaporative odor emissions. Further, the proposed facilities and equipment would be maintained periodically to remove trash and debris to prevent odor. Therefore, the Project would not generate odors affecting a substantial number of people and impacts would be considered less than significant.

References

- Office of Health Hazard Assessment (OEHHA), 2015. *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Available at: http://oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0, accessed November 2020.
- South Coast Air Quality Management District (SCAQMD), 2008. Final Localized Significance Threshold Methodology. Available at: http://www.aqmd.gov/home/rulescompliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds, accessed November 2020.
- SCAQMD, 2013. Final 2012 Air Quality Management Plan. Available at: https://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2012air-quality-management-plan, accessed November 2020.
- SCAQMD, 2015. Air Quality Significance Thresholds. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significancethresholds.pdf, accessed November 2020.
- SCAQMD, 2016. Final 2016 Air Quality Management Plan. Available: https://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016aqmp, accessed November 2020.
- SCAQMD, 2017, 2018, 2019. Historical Data by Year (2017, 2018, and 2019). Available: http://www.aqmd.gov/home/air-quality/historical-air-quality-data/historical-data-by-year, accessed November 2020.

Biological Resources

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

Discussion

The following analysis is based on the *Habitat Assessment and Biological Survey Results for the Wingate Park Regional Enhanced Watershed Management Plan Project, City of Covina, Los Angeles California* (Biological Letter Report) (ESA, 2020), located in **Appendix B**, *Biological Resources Memorandum*, of this Draft IS/MND.

Would the Project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less than Significant Impact with Mitigation Incorporated. The Project Site is located in a highly urbanized area of the City predominantly developed with residential, commercial, and industrial uses. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. The Project Site does not occur within any U.S. Fish and Wildlife Service (USFWS)-

designated Critical Habitat for any special status plant or wildlife species. A database review showed that 62 special-status species have potential to occur within the vicinity of the Project Site. Of these, only three special status wildlife species have moderate potential to occur at the Project Site, based on habitat requirements. The three sensitive species with potential to occur within the Project Site are least bell's vireo (Vireo belli pusillus; LBV), a federally endangered species; yellow warbler (Setophaga petechia), a species of special concern (SSC); and pallid bat (Antrozous pallidus), a SSC. None of these species were detected during the biological survey and habitat assessment conducted by ESA on November 5, 2020, since LBV and yellow warbler are migratory and not present during fall and winter months. Similarly, bats are nocturnal species and not likely to be detected during a diurnal habitat assessment. Suitable habitat for these species occurs primarily within the disturbed riparian zone along Charter Oak Creek. Project activities within Charter Oak Creek are limited to the southeast corner of the Project Site. Construction activities such as excavation associated with the installation of connective infrastructure and a permanent grated drop inlet to divert flows could result in a potentially significant impact to sensitive birds and bats. However, implementation of Mitigation Measures BIO-1, BIO-2, and BIO-3 would reduce construction impacts to less than significant. It is anticipated that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek so there will be no direct impact associated with diversion of the water.

Mitigation Measures

BIO-1: Nesting birds. Impacts to nesting birds would be avoided by conducting all vegetation removal and grading outside of the bird breeding season (January 15–September 15). If breeding season cannot be avoided, the following measures would be followed.

- a. During the avian breeding season, a qualified Project Biologist shall conduct a preconstruction avian nesting survey no more than 7 days prior to vegetation disturbance or site clearing. If grading or other construction activity begins in the non-breeding season and proceeds continuously into the breeding season, no surveys shall be required. However, if there is a break of 7 days or more in grading or construction activities during the breeding season, a new nesting bird survey shall be conducted before these activities begin again.
- b. The nest survey shall cover all potential nesting locations on and within 300 feet of the proposed areas where construction activities will occur.
- c. If an active nest is found during an avian nest survey, a qualified Project Biologist shall implement a 300-foot minimum avoidance buffer for special-status species (e.g., least Bell's vireo, yellow warbler); a 500-foot minimum avoidance buffer for all raptor species; and 300-foot minimum avoidance buffer (or other buffer as determined appropriate by the Project Biologist) for other passerine birds. Buffer distances for other species will be determined by the Project Biologist, based on the species and its breeding or nesting requirements. The nest site area shall not be disturbed until the nest becomes inactive or the young have fledged.

BIO-2: Least Bell's vireo. To avoid impacts to nesting least Bell's vireo, work activities within 500 feet of suitable nesting habitat shall be timed to avoid the season when nests may be active for this species (March 15 to September 15).

- a. If avoidance of work activities within this time period is not feasible, a USFWS protocol survey for least Bell's vireo should be conducted within suitable nesting habitat the season prior to initiation of work activities, to determine their presence or absence within 500 feet of proposed work limits. In accordance with the USFWS survey protocol, surveys shall consist of eight site visits conducted 10 days apart during the period of April 10 to July 31. The results shall be submitted in a report to the USFWS.
- b. If the protocol surveys do not indicate the presence of least Bell's vireo, no further mitigation is required. A negative finding is considered valid until the following breeding season. Additional surveys shall be required each year that work is conducted in least Bell's vireo breeding habitat during the breeding season.
- c. If occupied habitat and/or nesting individuals are determined to be present based on the focused survey, and work cannot be avoided during the nesting season, a preconstruction clearance survey shall be performed by a qualified biologist within 7 days prior to work activities to determine the approximate location of nesting territories within 500 feet of work areas. Surveys shall be conducted by a biologist approved by the USFWS and CDFW for conducting least Bell's vireo nest surveys, or by a biologist with least Bell's vireo survey experience, so long as the nest is not approached and/or disturbed. If a nest is detected or active breeding is determined, work shall halt within 500 feet of the nesting territory, and the area shall be monitored on a weekly basis until a qualified biologist determines the nest is no longer active and the young have fledged.

BIO-3: Special-Status Bats. Prior to commencement of construction activities, a qualified biologist shall conduct a pre-construction bat survey throughout the Project impact area where ground-disturbing activities are proposed, including a 300-foot buffer in areas where bat roosting may occur. If bats are determined to be roosting, the biologist shall determine whether a day roost (non-breeding) or maternity roost (lactating females and dependent young) is present. If a day roost is determined to be present within areas surveyed, the biologist shall ensure that direct mortality to roosting individuals will not occur. If a maternity roost is determined to be present within 300 feet from the work areas, a qualified biologist shall determine whether construction activities are likely to disturb breeding activities.

If direct disturbance to the maternity roost could occur, a Bat Exclusion Plan shall be prepared in consultation with CDFW and implemented. At a minimum, the plan shall include avoidance and minimization measures to reduce potential impacts to breeding bats during construction activities and prescribed methods to safely and humanely evict bats from the roost to minimize any potential impacts. b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less than Significant Impact with Mitigation Incorporated. No sensitive natural communities are present within the Project Site. However, riparian vegetation is present along Charter Oak Creek. The riparian vegetation onsite is moderately disturbed and constitutes a mix of native trees/shrubs such as Coast live oak (*Quercus agrifolia*), black willow (*Salix gooddingii*) and Fremont cottonwood (*Populus fremontii*), mulefat (*Baccharis salicifolia*) and non-native trees such as Peruvian pepper tree (*Schinus molle*), California fan palm (*Washingtonia filifera*), shamel ash (*Fraxinus uhdei*) and London plane (*Platanus x acerifolia*). The understory of the riparian zone is dominated by non-native grasses. Although the Project Site only encompasses a small portion of riparian vegetation in the southeast corner of the Site, the installation of connective infrastructure including a permanent grated drop inlet to divert flows to the underground vault could result in removal of some riparian vegetation in the immediate vicinity of the inlet. The riparian vegetation in this area has low habitat value since it is located within a developed park and mixed with exotic plant species. However, implementation of BIO-4 requiring restoration of the bank to encourage recruitment of native vegetation in the affected areas will ensure that any habitat values are not reduced.

It is anticipated that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek. Maintaining some flow in the creek supports the objectives of the project by capturing dry weather runoff at the park site, while maintaining the vegetation that currently relies on it. Impacts to local habitats would be less than significant.

Mitigation Measure

BIO-4: Riparian Vegetation. Temporary impacts to native riparian vegetation associated with construction will be restored to pre-project conditions (i.e., pre-project contours and revegetated with native species).

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Less than Significant Impact with Mitigation Incorporated. Implementation of the Project will generally avoid work in Charter Oak Creek, a potential jurisdictional feature that extends east-west along the southern portion of Wingate Park and connects to the San Gabriel River. However, Project construction is expected to occur within a small portion of Charter Oak Creek on the southeast corner of the Project Site where connective infrastructure and a permanent grated drop inlet will be installed. Additionally, reduced flow within the channel can cause indirect impacts to the drainage and the associated vegetation. Both direct and indirect potential impacts to jurisdictional water are considered potentially significant. Maintaining some flow in the creek supports the objectives of the project by capturing dry weather runoff at the park site, while

maintaining the vegetation that currently relies on it. Mitigation Measures outlined in BIO-4 and BIO-5 would reduce impacts to a less than significant level. Further, it is anticipated that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek.

Mitigation Measure

BIO-5: Jurisdictional Delineation. Prior to work activities, a jurisdictional delineation and report will be prepared to determine whether Charter Oak Creek is subject to regulation by federal and state agencies.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less than Significant Impact with Mitigation Incorporated. The Project Site is located in a highly urbanized area of the City predominantly developed with residential, commercial, and industrial uses and is unlikely to be a significant migration corridor. However, because Charter Oak Creek connects to the San Gabriel River, this feature could represent a migration corridor for birds and wildlife. Additionally, the vegetation along Charter Oak Creek, such as Mexican fan palm clusters, provide suitable nesting sites for birds and roosting sites for bats. Migratory nongame native bird species are protected by international treaty under the Federal Migratory Bird Treaty Act (MBTA) of 1918 (50 C.F.R. Section10.13), and Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds, and their active nests, including raptors and other migratory nongame birds (as listed under the Federal MBTA). Additionally, common bats are protected under CDFG Code Section 4150. Although the Project was designed to limit work near Charter Oak Creek, the construction limits do extend into the southeast corner of the Project Site. Construction activities during nesting bird season, as well as the potential removal of nesting/roosting habitat, could result in potentially significant impacts. Implementation of Mitigation Measures BIO-1 and, BIO-3 would reduce impacts to less than significant. Further, it is anticipated that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek.

Mitigation Measures

Refer to Mitigation Measures BIO-1 and BIO-3.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less than Significant Impact with Mitigation Incorporated. Two species of oak are present within the Project Site and along the adjacent Charter Oak Creek. These include the native coast live oak, *Quercus agrifolia*, and the non-native holly oak, *Quercus ilex*. The City's Municipal

Code, Chapter 17.83, Tree Preservation, extends protection to "Heritage Trees" defined as all *Quercus* species with a diameter at breast height (DBH) greater than 10 inches and those trees designated as "Heritage Trees" per Section 17.83.150, Designation of Heritage Trees, of the City's Municipal Code. Project activities requiring removal of "Heritage Trees" for excavation of the 1.65-acre underground infiltration gallery would be considered a significant impact. In addition, work below the dripline of protected trees also constitutes a potentially significant impact. Implementation of Mitigation Measures BIO-6, BIO-7, BIO-8, BIO-9, and BIO-10 would reduce impacts to a less than significant level. Further, it is anticipated that the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek.

Mitigation Measures

BIO-6: Tree Survey. Prior to construction activities, a focused tree survey shall be conducted to quantify the number of "Heritage Trees" that will be potentially impacted by Project activities.

BIO-7: If, based on the tree survey, "Heritage Trees" will be impacted by construction activities, a Tree Preservation Permit will be obtained prior to issuance of a building, grading, demolition and/or construction permit.

BIO-8: Issuance of a tree preservation permit may impose additional conditions of approval including but not limited to:

- a. Replanting of a replacement tree of equivalent value and species.
- b. Relocation of the subject tree(s) to an alternative location.
- c. Payment of in-lieu mitigation fees to plant and/or preserve the subject tree(s) on property or sites where the city can assure the long-term viability of the subject tree(s).
- d. Preparation of a monitoring and/or mitigation program by a city-approved certified arborist or licensed forester and provision of adequate financial security to assure implementation of the program.
- e. Such other conditions as may be necessary to assure the tree preservation permit is consistent with the findings and purpose of this chapter (17.83.090 Sec. a–e).

BIO-9: Trenching and excavation under the dripline of a Heritage Tree shall only be undertaken using hand tools (17.83.130 Item E).

BIO-10: Protective fencing shall be provided around the dripline of all Heritage Trees during construction (17.83.130 Item F).

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The Project Site is not located within an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or approved local, regional or state habitat conservation plan. Therefore, no impact would occur in this regard.

References

- California Department of Fish and Wildlife (CDFW). 2020. California Natural Diversity Database (CNDDB). Sacramento, CA: CDFW, Natural Heritage Division, 2020.
- California Native Plant Society (CNPS).2020. Inventory of rare and Endangered Plants (online edition, v8-01a). California Native Plant Society. Sacramento, CA.

Covina, California Municipal Code Chapter 17.83 Tree Preservation (2017).

- U.S. Fish and Wildlife Service (USFWS). 2020. National Wetlands Inventory, accessed at: https://www.fws.gov/wetlands/data/mapper.html
- U.S. Fish and Wildlife Service (USFWS). 2020a. IPAC Information for Planning and Consultation, accessed at https://ecos.fws.gov/ipac/
- U.S. Fish and Wildlife Service (USFWS). 2020b. Critical Habitat Portal, accessed at http://ecos.fws.gov/crithab/.

Cultural Resources

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

Discussion

The following analysis is based on the *Phase I Archaeological Resources Study* (ESA, 2020), located in **Appendix C**, of this Draft IS/MND. This Study is confidential and not for public distribution.

Would the Project:

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

No Impact. Wingate Park, including the buildings, landscaping, sports fields, and parking areas, were developed into its current configuration in the late 1990's and does not meet the Office of Historic Preservation threshold of 45 years. There are no historic architectural resources recorded within the Project Site or the larger Wingate Park. No historic architectural resources meeting the Office of Historic Preservation's 45-year threshold were observed within the Project Site that could be impacted by the Project. Nor would any possible resources such as the railroad tracks to the north be indirectly impacted by the Project. The surrounding setting of the park entrance leading to these buildings will not be changed by the Project as the landscaped areas and roads will be maintained and not removed. Therefore, no impact would occur.

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

Less Than Significant Impact with Mitigation Incorporated. A records search for the Project was received from the South Central Coastal Information Center (SCCIC) on December 9, 2020. The records search included a review of all recorded archaeological resources and previous studies within a 0.5-mile radius of the Project Site. The records search results indicate that three cultural resources studies have been conducted within a 0.5-mile radius of the Project Site. Of the three previous studies, none overlap or are within the Project Site. One cultural resource has been previously recorded within the 0.5-mile records search radius of the Project Site. No cultural resources have been previously recorded within the Project Site or Wingate Park. Site P-19-187085, the Mojave Trail, is mapped approximately 0.35 mile to the northwest of the northern

boundary of Wingate Park. Survey results of the Project Site itself were negative for archaeological resources.

Despite the negative results, it is possible that ground-disturbing activities could unearth buried or otherwise obscured resources, particularly since a majority of the Project Site was obscured by dense vegetation and landscaping. The Sacred Lands File (SLF) results for the undertaking were positive for sacred lands. It is recommended that an archaeological monitor be present during initial ground-disturbing activities, including grubbing and other methods of de-vegetation, in order to assess surface and subsurface conditions. Based on observations made by the archaeological monitor, monitoring activities may be modified or discontinued at the recommendation of the archaeologist, in coordination with USACE staff and the City. Additionally, it is recommended that protocols for work stoppage in the event that archaeological resources or human remains are encountered during construction should be implemented.

Based on these results, Mitigation Measures CULT-1 through CULT-3 are identified to ensure that potentially significant impacts to archaeological resources are reduced to a less than significant level.

Mitigation Measures

CULT-1: Prior to the issuance of ground disturbing activities, the City shall retain a qualified Archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards (qualified Archaeologist) to oversee an archaeological monitor who shall be present during construction activities on the Project Site such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the Project. Prior to commencement of excavation activities, an Archaeological Sensitivity Training shall be given for construction personnel. The training session, shall be carried out by the qualified Archaeologist, will focus on how to identify archaeological resources that may be encountered during earthmoving activities, and the procedures to be followed in such an event.

The monitor shall have the authority to direct the pace of construction equipment in areas of higher sensitivity. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments versus older sediments), and the depth of excavation, and if found, the abundance and type of archaeological resources encountered. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined adequate by the qualified Archaeologist.

CULT-2: In the event that historic (e.g., bottles, foundations, refuse dumps/privies, railroads, etc.) or prehistoric (e.g., hearths, burials, stone tools, shell and faunal bone remains, etc.) archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A 25-foot buffer shall be established by the qualified Archaeologist around the find where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area. All archaeological resources unearthed by Project

construction activities shall be evaluated by the qualified Archaeologist. If a resource is determined by the qualified Archaeologist to constitute a "historical resource" pursuant to State CEOA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the qualified Archaeologist shall coordinate with the City to develop a formal treatment plan that would serve to reduce impacts to the resources. If any prehistoric archaeological sites are encountered within the Project Site, consultation with interested Native American parties will be conducted to apprise them of any such findings and solicit any comments they may have regarding appropriate treatment and disposition of the resources. The treatment plan established for the resources shall be in accordance with State CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment under CEQA. If in coordination with the City, it is determined that preservation in place is not feasible, appropriate treatment of the resource shall be developed by the qualified Archaeologist in coordination with the City and may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any archaeological material collected shall be curated at a public, non-profit institution with a research interest in the materials, if such an institution agrees to accept the material. If no institution accepts the archaeological material, they shall be donated to a local school or historical society in the area for educational purposes.

CULT-3: The qualified Archaeologist shall prepare a final report and appropriate California Department of Parks and Recreation Site Forms at the conclusion of archaeological monitoring. The report shall include a description of resources unearthed, if any, treatment of the resources, results of the artifact processing, analysis, and research, and evaluation of the resources with respect to the California Register of Historical Resources and CEQA. The report and the Site Forms shall be prepared by the City and submitted to the SCCIC and representatives of other appropriate or concerned agencies to signify the satisfactory completion of the development and required mitigation measures.

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

Less Than Significant Impact with Mitigation Incorporated. The California Native American Heritage Commission (NAHC) was contacted on November 11, 2020 to request a search of the SLF. The NAHC responded to the request in a letter dated January 7, 2020, with the results of the SLF search conducted by the NAHC, which indicated a positive search result. The NAHC indicated that the Gabrieleno Band of Mission Indians – Kizh Nation should be contacted for information regarding known and recorded sites. The City contacted the Gabrieleno Band of Mission Indians – Kizh Nation as part of AB 52 consultation for more information on the Project Site and vicinity. The tribe did not identify that the Project Site was known to contain human remains.

Archival research did not reveal any evidence that human remains could be found at the Project Site or in the area adjacent to the Project Site. Even so, construction of the Project could potentially disturb previously unknown human remains. Implementation of Mitigation Measure CULT-4 would ensure impacts related to the discovery of human remains would be reduced to a less than significant level.

Mitigation Measure

CULT-4: If human remains are encountered, the contractor should halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98. Until the landowner has conferred with the MLD, the contractor should ensure that the immediate vicinity where the discovery occurred is not disturbed by further activity, is adequately protected according to generally accepted cultural or archaeological standards or practices, and that further activities take into account the possibility of multiple burials.

Energy

Issi	es (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI.	ENERGY—Would the project:				
a)	Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			\boxtimes	
b)	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			\boxtimes	

Discussion

Would the Project:

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

Less than Significant Impact. The Project would result in consumption of energy resources during construction and operation. During construction, the Project would use heavy construction equipment and require worker, vendor, and hauling trips to install the proposed underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. These construction activities would use approximately 25,066 gallons of diesel and 5,480 gallons of gasoline (see Appendix D, *Energy Assumptions and Modeling*, of this Draft IS/MND). The Project would require construction contractors and truck operators to comply with applicable state regulations governing heavy duty diesel on- and offroad equipment to minimize transportation fuel consumption. As discussed above in Section III, *Air Quality*, the CARB anti-idling measure, which limits idling to no more than five minutes at any location for diesel-fueled commercial vehicles, would minimize diesel fuel consumption from on-road trucks in the Project Site.

During operation, it is assumed that there would not be a substantial increase in mobile trips as the Project would only require periodic inspection and maintenance. The new infrastructure and improved park amenities and recreational features would not result in a substantial increase in electricity usage and the Project Site would be restored to near existing conditions after Project completion.

Therefore, the Project would not result in wasteful, inefficient, or unnecessary consumption of energy resources and would not increase the need for new energy infrastructure and impacts would be less than significant.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less than Significant Impact. The State of California and the City have implemented energy policies relevant to the Project. The California Renewables Portfolio Standard (RPS) was established in 2002 and 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 2013. California Senate Bill 350 (Chapter 547, Statues of 2015) is the most recent update to the state's RPS requirements. The RPS requires publicly owned utilities and retail sellers of electricity in California to procure 33 percent of their electricity sales from eligible renewable sources by 2020 and 50 percent by the end of 2030. The Project could potentially generate an increase in electricity demand during operation for periodic inspection and cleaning of the stormwater and drainage facilities and equipment, as described in Section 2.4.1, *Project Operations*, of the Project Description. However, the demand would be negligible with respect to Southern California Edison (SCE) supplies and no additional power generation facilities would be required. The Project would not conflict with SCE or the State's ability to achieve the RPS goals.

The City of Covina's 2019 Energy Action Plan Update and 2012 Energy Action Plan were prepared by the San Gabriel Valley Council of Governments for the City. The plans' goals are to reduce energy consumption and decrease GHG emissions in accordance with AB 32 and Senate Bill (SB) 32 emission reduction targets. (City of Covina 2012; City of Covina 2019). The 2019 Energy Action Plan Update sets the following updated targets: decrease overall municipal building electricity usage to 5 percent below 2018 levels by 2023, decrease overall municipal building gas usage to 5 percent below 2018 levels by 2023, and implement 3 or more energy efficiency projects by 2023. The City is supported by the San Gabriel Valley Energy Wise Partnership and SCE's Energy Leader Partnership in achieving these energy goals (City of Covina 2019). As the Project would consist of underground stormwater and drainage facilities and equipment, restored landscaping, and park improvements, it would not conflict with or obstruct with the City's plan for conserving energy or energy efficiency. The Project would reduce the energy demand for water conveyance as it contributes to groundwater recharge and replenishes local aquifers. Therefore, the Project would have a less than significant impact to conflicting with or obstructing a state or local plan for renewable energy or energy efficiency.

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Geology and Soils

Issu	es (a	nd Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VII.	GE	OLOGY AND SOILS—Would the project:				
a)	Dire adv dea	ectly or indirectly cause potential substantial rerse effects, including the risk of loss, injury, or th involving:				
	i)	Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.				
	ii)	Strong seismic ground shaking?			\boxtimes	
	iii)	Seismic-related ground failure, including liquefaction?			\boxtimes	
	iv)	Landslides?			\boxtimes	
b)	Res	sult in substantial soil erosion or the loss of topsoil?			\boxtimes	
c)	Be or ti proj lanc or c	located on a geologic unit or soil that is unstable, hat would become unstable as a result of the ject, and potentially result in on- or off-site dslide, lateral spreading, subsidence, liquefaction, collapse?				
d)	Be Tab crea proj	located on expansive soil, as defined in ole 18-1-B of the Uniform Building Code (1994), ating substantial direct or indirect risks to life or perty?			\boxtimes	
e)	Hav of s sys disp	ve soils incapable of adequately supporting the use septic tanks or alternative waste water disposal tems where sewers are not available for the posal of waste water?				\boxtimes
f)	Dire reso	ectly or indirectly destroy a unique paleontological ource or site or unique geologic feature?		\boxtimes		

Discussion

The following analysis is based on the *Geotechnical Services, Kahler Russell Park, Upper San Gabriel River EWMP, Los Angeles County, California, Task Order No. T10503269-102669-OM* (Geotechnical Report) (Ninyo & Moore, 2015), located in **Appendix E**, *Geotechnical Report* and the *Paleontological Resources Assessment Report* (ESA, 2021), located in **Appendix F**, of this Draft IS/MND.

The Geotechnical Report's evaluation included the following:

• Review of readily available background materials, including State of California Seismic Hazard maps, State of California Earthquake Fault Zone maps (Alquist-Priolo Special Studies Zones maps), other published geologic maps and literature, in-house information, stereoscopic aerial photographs, and plans provided by the City.

- Performance of a site reconnaissance to observe the existing conditions at the Project Site and to mark the proposed boring location for utility clearance. Mark-out of potential existing underground utilities was conducted through underground service alert (USA).
- Subsurface exploration consisting of drilling, logging and sampling of one exploratory soil boring at the Project Site. The boring was advanced to a depth of 100.5 feet using a truck-mounted drill rig equipped with hollow stem augers.
- Geotechnical laboratory testing on soil samples collected during the subsurface exploration. The testing included an evaluation of moisture content, in-situ moisture and dry density, grain-size analysis (sieve and 200 wash), direct shear, and soil corrosivity.
- Compilation of data obtained from the background research, subsurface exploration, and laboratory testing.
- Preparation of this report that presents geotechnical data obtained from the background review, site reconnaissance, and subsurface exploration at the Project Site, along with preliminary evaluation of potential geotechnical factors that could affect the conceptual design of the Project.

Would the Project:

- a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:
 - Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42?

Less than Significant Impact. Fault rupture is the displacement that occurs along the surface of a fault during an earthquake. Based on criteria established by the California Geological Survey (CGS), faults may be categorized as active, potentially active, or inactive. Active faults are those which show evidence of surface displacement within the last 11,000 years (Holocene-age). Potentially active faults are those that show evidence of most recent surface displacement within the last 1.6 million years (Quaternary-age). Faults showing no evidence of surface displacement within the last 1.6 million years are considered inactive. In addition, there are buried thrust faults, which are low angle reverse faults with no surface exposure. Due to their buried nature, the existence of buried thrust faults is usually not known until they produce an earthquake.

The CGS has established earthquake fault zones known as Alquist-Priolo Earthquake Fault Zones around the surface traces of active faults to assist cities and counties in planning, zoning, and building regulation functions. These zones, which extend from 200 to 500 feet on each side of a known active fault, identify areas where potential surface rupture along an active fault could prove hazardous and identify where special studies are required to characterize hazards to habitable structures.

The Project Site is located within the northeastern portion of the Los Angeles Basin (Basin) which is included in the Peninsular Ranges Geomorphic Province of California. This province encompasses an area that extends approximately 125 miles from the Transverse Ranges and the

Basin south to the Mexico border and continues further to the tip of Baja California. The Basin has been divided into four structural blocks which are generally bounded by prominent fault systems. The Project Site is located within the Northeastern Block, which is bordered on the west and south by the Whittier-Elsinore Fault and is bordered on the north by the San Gabriel Mountains and the Raymond Hill Fault. The Northeastern Block is a deep basin characterized by thick sequences of alluvium and sedimentary units overlying basement rocks which are at depths of up to approximately 12,000 feet below the surface in the central portion of the San Gabriel Valley (Ninyo & Moore, 2015).

The Project Site is located in the seismically active Southern California region and could be subject to moderate to strong ground shaking in the event of an earthquake on one of the many active Southern California faults. The nearest known active fault to the Project Site, the San Jose Fault, is located approximately three miles southeast of the Project Site. However, no currently known active or potentially active surface faults traverse the Project Site, and the Site is not located within a designated Alquist-Priolo Earthquake Fault Zone. As such, the potential for surface fault rupture due to faulting occurring on the Project Site during the design life of the Project is considered low (Ninyo & Moore, 2015). Thus, a less than significant impact would occur in this regard.

ii) Strong seismic ground shaking?

Less than Significant Impact. Seismicity is the geographic and historical distribution of earthquakes, including their frequency, intensity, and distribution. The level of ground shaking at a given location depends on many factors, including the size and type of earthquake, distance from the earthquake, and subsurface geologic conditions. The type of construction also affects how particular structures and improvements perform during ground shaking.

The 2019 California Building Code (CBC) specifies that the risk-targeted maximum considered earthquake (MCE_R) ground motion response accelerations be used to evaluate seismic loads for design of buildings and other structures. The MCE_{R} ground motion response accelerations are based on the spectral response accelerations for five percent damping in the direction of maximum horizontal response and incorporate a target risk for structural collapse equivalent to one percent in 50 years with deterministic limits for near-source effects. A common measure of ground motion is the peak ground acceleration (PGA). It is not a measure of total energy of an earthquake, such as the Richter and moment magnitude scales, but rather of how hard the ground shakes in given geographic area. PGA is expressed as the percentage of the acceleration due to gravity (g), which is approximately 980 centimeters per second squared. The PGA that corresponds to the MCE_R for the Project Site was calculated at 0.888 g using the United States Geology Survey (USGS) seismic design tool. The 2019 CBC specifies the potential for liquefaction and soil strength loss be evaluated, where applicable, for the maximum considered earthquake geometric mean (MCE_G) peak ground acceleration with adjustment for site class effects in accordance with the American Society of Civil Engineers (ASCE) 7-10 Standard. The MCE_G peak ground acceleration is based on the geometric mean peak ground acceleration with a two percent probability of exceedance in 50 years. The MCE_G peak ground acceleration with adjustment for site class effects (PGA_M) was calculated as 0.777g using the USGS seismic design tool that yielded a mapped MCE_G peak ground acceleration of 0.777g for the Project Site and a site coefficient (F_{PGA}) of 1.0 for Site Class D (Ninyo & Moore, 2015).

The Project does not propose habitable structures or buildings that would be susceptible to substantial risks associated with strong seismic ground shaking. The Project consists of underground stormwater and drainage facilities and equipment, restored landscaping, and park improvements. The City requires that all new construction meet or exceed Title 14, Buildings and Construction, of the City's Municipal Code, and the latest standards of the 2019 CBC for construction which requires structural design that can accommodate maximum ground accelerations expected from known faults. The Project would comply with the CGS Special Publications 117, Guidelines for Evaluating and Mitigating Seismic Hazards in California, which provides guidance for evaluation and mitigation of earthquake-related hazards. Further, the Geotechnical Report provides preliminary site-specific design recommendations, and parameters regarding grading and earthwork, temporary excavations, drainage, foundations, and pavement design. Given the low-intensity nature of proposed development, lack of habitable structures and buildings, compliance with applicable building and safety codes and incorporation of these recommendations, impacts related to strong seismic ground shaking would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less than Significant Impact. Liquefaction is a phenomenon in which loosely deposited, granular soils and fine-grained soils located below the water table undergo rapid loss of shear strength when subjected to strong earthquake-induced ground shaking. Ground shaking of sufficient duration can result in a loss of grain-to-grain contact due to a rapid rise in pore water pressure causing the soul to behave as a fluid for a short period. Liquefaction is known generally to occur in saturated or near-saturated cohesionless soils at depths shallower than 50 feet below the ground surface. Factors known to influence liquefaction potential include composition and thickness of soil layers, grain size, relative density, degree of saturation, groundwater level, and both duration and intensity of ground shaking.

According to the Seismic Hazard Zone Map for the San Dimas Quadrangle, the Project Site is not mapped as being in an area susceptible to liquefaction (Los Angeles County Board of Supervisors, 1954). During the subsurface exploration, groundwater was not encountered at the Project Site to the total depth explored of 100.5 feet. Based on the observed absence of a shallow groundwater table, the potential for seismic-induced liquefaction at the Project Site is considered low (Ninyo & Moore, 2015). While the Project would be required to comply with applicable seismic-related regulatory requirements of Title 14, Buildings and Construction, of the City's Municipal Code, and the latest standards of the 2019 CBC, implementation of the preliminary site-specific design recommendations and parameters of the Geotechnical Report would further ensure that seismic-related ground failure impacts, including liquefaction, would be less than significant.

iv) Landslides?

Less than Significant Impact. Earthquake-induced landslides often occur in areas where previous landslides have moved and in areas where the topographic, geologic, geotechnical and subsurface groundwater conditions are conducive to permanent ground displacements. The Project Site is located within the eastern portion of Wingate Park, which is relatively flat and located in a highly urbanized area of the City. According to the Geotechnical Report, the Project Site is not situated in an area considered to be susceptible to seismic-induced landslides. As such, a less than significant impact would occur in this regard.

b) Result in substantial soil erosion or the loss of topsoil?

Less than Significant Impact. Soil erosion refers to the process by which soil or earth material is loosened or dissolved and removed from its original location. Erosion can occur by varying processes and may occur in a project area where bare soil is exposed to wind or moving water (both rainfall and surface runoff). The processes of erosion are generally a function of material type, terrain steepness, rainfall or irrigation levels, surface drainage conditions, and general land uses. Topsoil is used to cover surface areas for the establishment and maintenance of vegetation due to its high concentrations of organic matter and microorganisms.

Project construction would result in ground surface disruption during excavation, grading, and trenching that would create the potential for erosion to occur. Wind erosion would be minimized through soil stabilization measures required by the SCAQMD Rule 403 (Fugitive Dust), such as daily watering. Potential for water erosion would be reduced by implementation of standard erosion control measures imposed during site preparation and grading activities. As discussed in more detail in Section X, Hydrology and Water Ouality, the Project would be subject to all existing regulations associated with the protection of water quality. Construction activities would be carried out in accordance with applicable City standard erosion control practices required pursuant to the 2019 CBC and the requirements of the NPDES General Construction Permit issued by the LARWQCB, as applicable. Consistent with these requirements, a Stormwater Pollution Prevention Plan (SWPPP) would be prepared that incorporates Best Management Practices (BMPs) to control water erosion during the Project's construction period. Further, all stormwater and drainage facilities and equipment will be installed underground with the ground level restored to near existing conditions post construction. Therefore, with compliance with applicable regulatory requirements, impacts regarding soil erosion or the loss of topsoil would be less than significant.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less than Significant. According to the Geotechnical Report, geologic units encountered during the reconnaissance and subsurface exploration of the Project Site included relatively thin fill soils that mantle alluvium. Fill materials were encountered in boring B-6 extending from the ground surface to a depth of approximately 3.5 feet below existing grade. As observed, the fill materials generally consisted of dark brown, moist, medium dense, silty sand. Scattered gravel was

encountered in the fill materials. Alluvium was encountered in boring B-6 underlying the fill materials and was observed to extend to the total depth explored of approximately 100.5 feet below existing grade. As observed in the boring, the alluvial materials generally consist of various shades of brown, moist, loose to very dense, silty sands and sandy silts. Scattered gravel was encountered at various depths in the alluvium (Ninyo & Moore, 2015).

Impacts related to liquefaction and landslides are discussed above in Responses VII a.iii and a.iv. Lateral spreading is the downslope movement of surface sediment due to liquefaction in a subsurface layer. The downslope movement is due to the combination of gravity and earthquake shaking. Such movement can occur on slope gradients of as little as one degree. Lateral spreading typically damages pipelines, utilities, bridges, and structures. Lateral spreading of the ground surface during a seismic activity usually occurs along the weak shear zones within a liquefiable soil layer and has been observed to generally take place toward a free face (i.e., retaining wall, slope, or channel) and to a lesser extent on ground surfaces with a very gentle slope. As stated in Response VI.a.iii., the Project Site is not mapped as being in an area susceptible to liquefaction (Ninyo & Moore, 2015). Further, due to the absence of any channel, slope, or river within the development footprint of the 1.65-acre underground infiltration gallery, the potential for lateral spreading occurring on or off the Project Site is considered to be low. No large-scale extraction of groundwater, gas, oil, or geothermal energy is occurring or planned at the Project Site. Thus, there appears to be little potential for ground subsidence due to withdrawal of fluids or gases at the Project Site.

While Project construction and design would be required to comply with the 2019 CBC, implementation of the site-specific design recommendations and parameters of the Geotechnical Report regarding grading and earthwork, temporary excavations, drainage, foundations, retaining walls, and pavement design would ensure that ground and soil stability hazards impacts would be less than significant.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less than Significant Impact. Soils with shrink-swell or expansive properties typically occur in fine-grained sediments and cause damage through volume changes as a result of a wetting and drying process. Structural damage may occur over a long period of time, usually the result of inadequate soil. The Project does not propose habitable structures or buildings that would be susceptible to substantial risks associated with strong seismic ground shaking. The Project

consists of underground stormwater and drainage facilities and equipment, restored landscaping, and park improvements. All stormwater and drainage facilities and equipment will be installed underground with the ground level restored to near existing conditions. If expansive soils were to be found during Project construction, site-specific design criteria (i.e., foundation design parameters) and remedial grading techniques (i.e., primarily removal, moisture conditions and recompaction of unsuitable soils) would be identified and implemented per the City, the 2019 CBC building requirements, and the Geotechnical Report recommendations to minimize the

potential for risks due to expansive soils. As such, a less than significant impact would occur in this regard.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The Project does not propose habitable structures or restroom facilities. Therefore, the Project would not require the use of septic tanks or alternative waste disposal systems. No impact would occur in this regard.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact with Mitigation Incorporated. The analysis of paleontological resources is based on a review of the geotechnical report and a paleontological records search that was commissioned through the Natural History Museum of Los Angeles County (NHMLAC) on November 22, 2020.

The database search results indicated that no known resources exist within the Project Site. While the LACM records search did not yield any localities within the Project Site, the letter noted fossil localities nearby from the same sedimentary deposits. Specifically, LACM records show fossil horse and camel from Pleistocene units approximately 10 miles to the southeast from the Project Site; 15-20 feet below the ground surface. An addition horse fossil was recovered 14 miles to the southwest in Whitter from the La Habra Formation, which is equivalent to the Pleistocene alluvium. One additional locality, yielded fossils of fish, snakes, rodents, and a rabbit. The geologic units within the Project Site were assigned paleontological sensitivity rankings based on the Society for Vertebrate Paleontology (SVP) guidelines.

Qa: This Holocene alluvium mapped within much of the Project site dates to the Holocene from a period of 1,000-10,000 years ago. Fossil specimens have not been identified within nearby Holocene-age sediments; however, SVP guidelines indicate that fossils can be as young as 5,000 years old, a time frame encompassing the age of these sediments. While excavation into the uppermost (or more recent) layers of these Holocene deposits would not impact fossils, deeper excavations into Holocene-age soils could encounter paleontological resources per the SVP's minimum age threshold (e.g., 5,000 years) for what may constitute a fossil. Therefore, this unit is assigned a **Low Potential** to contain paleontological resources. However, as the thickness of Qa has not been established, it should be assumed that Qoa underlies Qa and could be impacted by excavation activities (see below).

Qoa: Pleistocene alluvium is noted at the surface directly south of the project area and very likely underlies the project area, below the Qa. A wide variety of Ice Age fossils have been found in these sediments across the Los Angeles Basin (e.g., Hudson and Brattstrom, 1977; Jefferson, 1991a and b; Miller, 1941, 1971; Scott and Cox, 2008; Dooley et al., 2019). The most common Pleistocene terrestrial mammal fossils include the bones of mammoth, bison, deer, and small mammals, but other taxa, including horse, lion, cheetah, wolf, camel, antelope, peccary,

mastodon, capybara, and giant ground sloth, have been reported (Graham and Lundelius, 1994), as well as reptiles such as frogs, salamanders, and snakes (Hudson and Brattstrom, 1977). In addition to illuminating the striking differences between Southern California in the Pleistocene and today, this abundant fossil record has been vital in studies of extinction (e.g., Sandom et al., 2014; Barnosky et al., 2004), ecology (e.g., Connin et al., 1998), and climate change (e.g., Roy et al., 1996).

While no paleontological resources were identified within the Project Site based on the paleontological records search the local findings discussed above indicate that Project-related excavation will likely impact the Pleistocene Alluvium.

As a result, Mitigation Measure PALEO-1 is identified to ensure that potentially significant impacts to previously unknown paleontological resources that are unexpectedly discovered during Project construction are reduced to a less than significant level.

Mitigation Measure

PALEO-1:

Retention of a Qualified Paleontologist. A qualified paleontologist meeting the Society of Vertebrate Paleontology (SVP) Standards (SVP, 2010) (Qualified Paleontologist) shall be retained prior to the start of construction activities. The Qualified Paleontologist shall provide technical and compliance oversight of excavation and grading during construction, recovery of fossil materials, and reporting as related to paleontological resources, shall attend the Project kick-off meeting and Project progress meetings on a regular basis, and shall report to the site in the event potential paleontological resources are encountered.

Construction Worker Paleontological Resources Sensitivity Training. Prior to start of any ground disturbing activities, the Qualified Paleontologist shall conduct preconstruction worker paleontological resources sensitivity training. The Qualified Paleontologist shall contribute to any construction worker cultural resources sensitivity training either in person or via a training module. The training shall include information on what types of paleontological resources could be encountered during excavations, what to do in case an unanticipated discovery is made by a worker, and laws protecting paleontological resources. All construction personnel shall be informed of the possibility of encountering fossils and instructed to immediately inform the construction foreman or supervisor if any bones or other potential fossils are unexpectedly unearthed in an area where a paleontological monitor is not present. The City shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.

Paleontological Resources Monitoring. The Qualified Paleontologist shall supervise a paleontological monitor meeting the Society for Vertebrate Paleontology standards (2010) who shall be present during all excavations exceeding 5 feet, the typical depth of the younger alluvium, that encounter the older, Pleistocene alluvium. Monitoring shall consist of visually inspecting fresh exposures of rock for larger fossil remains and, where appropriate, collecting wet or dry screened standard sediment samples (up to 4.0 cubic yards) of promising horizons for smaller fossil remains (SVP, 2010). Depending on the conditions encountered, full-time monitoring can be reduced to part-time inspections or

ceased entirely if determined adequate by the Qualified Paleontologist. The Qualified Paleontologist shall spot check the excavation on an intermittent basis and recommend whether the depth of required monitoring should be revised based on his/her observations. Monitoring activities shall be documented in a Paleontological Resources Monitoring Report to be prepared by the Qualified Paleontologist at the completion of construction and shall be provided to the City within six (6) months of Project completion. If fossil resources are identified during monitoring, the report will also be filed with the Natural History Museum of Los Angeles County.

If a paleontological resource is discovered during construction, the paleontological monitor shall be empowered to temporarily divert or redirect grading and excavation activities in the area of the exposed resource to facilitate evaluation of the discovery. An appropriate buffer area shall be established by the Qualified Paleontologist around the find where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area. At the Qualified Paleontologist's discretion and to reduce any construction delay, the grading and excavation contractor shall assist in removing rock samples for initial processing and evaluation of the find. All significant fossils shall be collected by the paleontological monitor and/or the Qualified Paleontologist. Collected fossils shall be prepared to the point of identification and catalogued before they are submitted to their final repository. Any fossils collected 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, if such an institution agrees to accept the fossils. If no institution accepts the fossil collection, they shall be donated to a local school in the area for educational purposes. Accompanying notes, maps, photographs, and a technical report shall also be filed at the repository and/or school.

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Greenhouse Gas Emissions

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

Discussion

Would the Project:

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

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

The State defines GHGs as carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), sulfur hexafluoride (SF₆), perfluorocarbons (PFCs), and hydrofluorocarbons (HFCs). Because different GHGs have different global warming potentials (GWPs) and CO₂ is the most common reference gas for climate change, GHG emissions are often quantified and reported as CO₂ equivalents (CO₂e). For example, CH₄ has a GWP of 25 (over a 100-year period); therefore, one metric ton (MT) of CH₄ is equivalent to 25 MT of CO₂ equivalents (MTCO₂e). The GWP ratios are available from the United Nations Intergovernmental Panel on Climate Change (IPCC) and are published in the *Fourth Assessment Report* (AR4). By applying the GWP ratios, project-related CO₂e emissions can be tabulated in metric tons (MT) per year. Large emission sources are reported in million metric tons (MMT) of CO₂e.¹

Some of the potential effects in California of global warming may include loss in snow pack, sea level rise, more extreme heat days per year, more high ozone days, more forest fires, and more drought years (CARB 2008). Globally, climate change has the potential to impact numerous environmental resources through potential, though uncertain, impacts related to future air temperatures and precipitation patterns. The projected effects of global warming on weather and

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

climate are likely to vary regionally, but are expected to include the following direct effects (IPCC 2001):

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

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

California produced 425 MMTCO₂e in 2018. Combustion of fossil fuel in the transportation sector was the single largest source of California's GHG emissions in 2018, accounting for approximately 40 percent of total GHG emissions in the state. This sector was followed by the industrial sector (21 percent) and the electric power sector (including both in-state and out-of-state sources) (15 percent) (CARB 2020).

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

The City has not adopted a threshold of significance for GHG emissions that would be applicable to the Project. In December 2008, the SCAQMD adopted a 10,000 MTCO₂e per year significance threshold for industrial facilities for projects in which the SCAQMD is the lead agency. Although SCAQMD has not formally adopted a significance threshold for GHG emissions generated by a project for which SCAQMD is not the lead agency, or a uniform methodology for analyzing impacts related to GHG emissions on global climate change, in the absence of any industry-wide accepted standards, the SCAQMD's significance threshold of 10,000 MTCO₂e per year for projects is the most relevant air district-adopted GHG significance threshold and is used as a benchmark for the Project. It should be noted that the SCAQMD's significance threshold of 10,000 MTCO₂e per year for industrial projects is intended for long-term operational GHG emissions. The SCAQMD has developed guidance for the determination of the significance of GHG construction emissions that recommends that total emissions from construction be amortized over an assumed project lifetime of 30 years and added to operational emissions and then compared to the threshold (SCAQMD 2008).

The justification for the threshold is provided in SCAQMD's *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans* ("SCAQMD Interim GHG Threshold"). The

SCAQMD Interim GHG Threshold identifies a screening threshold to determine whether additional analysis is required. As stated by the SCAQMD:

"... the ... screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects ... the policy objective of [SCAQMD's] recommended interim GHG significance threshold proposal is to achieve an emission capture rate of 90 percent of all new or modified stationary source projects. A GHG significance threshold based on a 90 percent emission capture rate may be more appropriate to address the long-term adverse impacts associated with global climate change because most projects will be required to implement GHG reduction measures. Further, a 90 percent emission capture rate sets the emission threshold low enough to capture a substantial fraction of future stationary source projects that will be constructed to accommodate future statewide population and economic growth, while setting the emission threshold high enough to exclude small projects that will in aggregate contribute a relatively small fraction of the cumulative statewide GHG emissions. This assertion is based on the fact that [SCAQMD] staff estimates that these GHG emissions would account for slightly less than one percent of future 2050 statewide GHG emissions target (85 [MMTCO₂e per year]). In addition, these small projects may be subject to future applicable GHG control regulations that would further reduce their overall future contribution to the statewide GHG inventory. Finally, these small sources are already subject to [Best Available] Control Technology (BACT)] for criteria pollutants and are more likely to be single-permit facilities, so they are more likely to have few opportunities readily available to reduce GHG emissions from other parts of their facility."

The SCAQMD has applied its 10,000 MTCO₂e/year significance threshold in such a way that GHG emissions covered by the Cap-and-Trade Program do not constitute emissions that must be measured against the threshold.² However, for purposes of analysis in the Draft IS/MND, the GHG emissions from all of the Project's GHG emissions sources are included in the GHG emissions and are measured against the 10,000 MTCO₂e/year significance threshold. Thus, as explained above, based on guidance from the SCAQMD, if an industrial project would emit GHGs less than 10,000 MTCO₂e per year, the project would not be considered a substantial GHG emitter and GHG emission impact would be less than significant, requiring no additional analysis and no mitigation.

CEQA Guidelines 15064.4 (b)(1) states that a lead agency may use a model or methodology to quantify GHGs associated with a project. In October 2017, the SCAQMD in conjunction with California Air Pollution Control Officers Association (CAPCOA) released the latest version of the CalEEMod (Version 2016.3.2). The purpose of this model is to estimate construction-source and operational-source emissions from direct and indirect sources. Accordingly, the latest version

² For example, the SJVAPCD "determined that GHG emissions increases that are covered under CARB's Cap-and-Trade regulation cannot constitute significant increases under CEQA ..." (SJVAPCD 2014). Furthermore, the SCAQMD has taken this position in CEQA documents it has produced as a lead agency. The SCAQMD has prepared three Negative Declarations and one Draft EIR that demonstrate the SCAQMD has applied its 10,000 MTCO₂e/year significance threshold in such a way that GHG emissions covered by the Cap-and-Trade Program do not constitute emissions that must be measured against the threshold (SCAQMD 2014a, 2014b, 2014c, 2015).

of CalEEMod has been used for the Project to estimate the Project's emission impacts (see **Appendix G**, *Greenhouse Gas Emissions Assumptions and Modeling*, of this Draft IS/MND).

Construction Emissions

Construction activities associated with the Project would result in emissions of CO_2 and to a lesser extent CH_4 and N_2O . Construction-period GHG emissions were quantified based on the same construction schedule, activities, and equipment list as described in Appendix G. To amortize the emissions over the life of the Project, the SCAQMD recommends calculating the total GHG emissions attributable to construction activities, dividing it by the 30-year project life, and then adding that number to a project's annual operational-phase GHG emissions. As such, construction emissions were amortized over a 30-year period (see Appendix G).

Operational Emissions

As described above in Section III, *Air Quality*, during operation of the Project, there would only be periodic maintenance for the underground stormwater and drainage facilities and equipment. It is anticipated that operational activities would be limited to a single vacuum truck operated by one or two workers on a quarterly basis. As such, the Project's facilities would not require a substantial increase in the number of employees. Additional fuel and emissions for inspecting and cleaning the Project's facilities would be minimal. Furthermore, implementation of the Project would replenish local ground water supplies that would reduce the amount of imported water. Importing of water generates higher levels of GHG emissions associated with conveyance as compared to local water supplies that would be generated from the Project (at least a 58 percent reduction in water supply electricity, based on CalEEMod default factors³). Therefore, impacts to GHG emissions during operation would be considered less than significant.

Emissions Summary

The annual GHG emissions for the Project were estimated to be approximately MTCO₂e per year as summarized in **Table VIII-1**, *Annual Project Greenhouse Gas Emissions*. Direct and indirect emissions associated with the Project are compared with the SCAQMD proposed screening level for industrial/stationary source projects, which is 10,000 MTCO₂e. As shown in Table VIII-1, the Project would result in a less than significant impact with respect to GHG emissions.

³ See: CalEEMod User's Guide, Appendix D, Table 9.2, 2017.

Emission Source	Total MTCO₂e/year
Amortized construction emissions	9
Energy (Electricity)	6
Water Conveyance	10
Solid Waste	<1
Annual CO₂e (All Sources)	25
Significance Threshold	10,000
Threshold Exceeded?	No
SOURCE: Appendix G, ESA 2020.	

TABLE VIII-1 ANNUAL PROJECT GREENHOUSE GAS EMISSIONS

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than Significant Impact. A significant impact would occur if the Project would generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment by conflicting with applicable regulatory plans and policies to reduce GHG emissions as discussed within CARB's Climate Change Scoping Plan and City of Covina's Energy Action Plan.

The CARB Scoping Plan Update focused on establishing a greenhouse gas reduction target of 40 percent below 1990 levels by 2030. The Project would increase local groundwater recharge, which would in turn reduce the need for imported water and resulting energy and emissions that come from water conveyance (at least a 58 percent reduction in electricity, based on CalEEMod default factors⁴). Because the CARB Scoping Plan requires a suite of strategies across multiple sectors to achieve the GHG reduction targets, the Project would be consistent by reducing the energy consumption needed for water pumping and treatment from distant sources.

The City of Covina's Energy Action Plan Update aims to reduce greenhouse gas emissions consistent with the State's emission reduction targets for 2020 and 2030. The City's strategy to achieve these goals is structured around four key strategy topics: electricity, natural gas, and water efficiency; municipal operations; employee & department engagement; and partnership and regional engagement. These strategies will reduce energy usage at the City's municipal facilities, which will in turn decrease GHG emissions in the City (City of Covina 2019). The Project would be consistent with the City's Energy Action Plan Update by improving local groundwater recharge and thereby reducing the energy consumption needed for water pumping and treatment from distant sources.

Overall, as the Project would be consistent with CARB's Climate Change Scoping Plan and City of Covina's Energy Action Plan Update, the Project would not conflict with an applicable plan,

⁴ See: CalEEMod User's Guide, Appendix D, Table 9.2, 2017.

policy, or regulation to reduce GHG emissions. As such, impacts would be considered less than significant.

References

- California Air Resources Board (CARB), 2008. *Climate Change Scoping Plan*. December 2008. Available: https://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf, accessed April 2017.
- CARB, 2017. The 2017 Climate Change Scoping Plan Update The Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target. January 2017. Available: https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf, accessed April 2017.
- CARB, 2020. California Greenhouse Gas Emission Inventory: 2000-2018 2020 Edition. Available:

https://ww3.arb.ca.gov/cc/inventory/pubs/reports/2000_2018/ghg_inventory_trends_00-18.pdf, accessed November 2020.

- City of Covina, 2019. 2019 Energy Action Plan Update. Available: https://covinaca.gov/sites/default/files/fileattachments/public_works/page/584/eap_-_final.pdf, accessed November 2020.
- Intergovernmental Panel on Climate Change (IPCC), 2001. *Climate Change 2001: Working Group I: The Scientific Basis*. Available: http://www.ipcc.ch/ipccreports/tar/wg1/index.php?idp=0, accessed April 2017.
- South Coast Air Quality Management District (SCAQMD). 2008. Draft Guidance Document— Interim CEQA Greenhouse Gas (GHG) Significance Threshold, October.
- SCAQMD, 2014a. Final Mitigated Negative Declaration for Toxic Air Contaminant Reduction for Compliance with SCAQMD Rules 1420.1 and 1402 at the Exide Technologies Facility in Vernon, CA. State Clearinghouse No. 2014101040, December.
- SCAQMD, 2014b. Final Negative Declaration for Phillips 99 Los Angeles Refinery Carson Plant—Crude Oil Storage Capacity Project. State Clearinghouse No. 2013091029, December.
- SCAQMD, 2014c. Final Negative Declaration for Ultramar Inc. Wilmington Refinery Cogeneration Project. State Clearinghouse No. 2012041014, October.
- SCAQMD, 2015. Final Environmental Impact Report for the Breitburn Santa Fe Springs Blocks 400/700 Upgrade Project. State Clearinghouse No. 2014121014, August.

Hazards and Hazardous Materials

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

Discussion

The following analysis is based on the *Phase I Environmental Site Assessment Wingate Park Stormwater BMP Project 735 North Glendora Avenue, Covina, California 91724 Project No. T37741* (Phase I ESA) (Tetra Tech, January 2018), located in **Appendix H**, *Phase I Environmental Site Assessment*, of this Draft IS/MND.

Would the Project:

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less than Significant Impact. Hazardous materials are substances or chemicals that pose a health hazard, a physical hazard, or harm to the environment. Hazardous materials are defined and regulated by the federal, State, and local agencies (e.g., Occupational Safety and Health Administration [OSHA], EPA, Department of Transportation).
Project construction and maintenance activities would involve transport, use, and disposal of hazardous materials such as fuels (e.g., gasoline, diesel), hydraulic fluids, oils and lubricants, grease, solvents, and cleaning fluids. In addition, hazardous materials may be needed for fueling and servicing construction equipment on the Project Site. During construction of the Project, material safety data sheets for all applicable materials present at the Project Site would be made readily available to onsite personnel. All transport, handling, use and disposal of substances such as petroleum products related to construction would comply with all federal, state and local laws regulating the management and use of hazardous materials. Best management practices would be in place to ensure the lawful and proper storage and use of these materials. Therefore, construction impacts would be less than significant.

Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device to be performed by a single vacuum truck and disposed of at the appropriate regulated facility. The solid waste is anticipated to be disposed of at the Mid-Valley Sanitary Landfill or the El Sobrante Landfill. Maintenance activities could also include occasional channel clearing of sediment and vegetation maintenance that could include the use of chainsaws and weed-whackers that require limited quantities of fuel and oil. In addition, the proposed stormwater and drainage facilities and equipment would not use chemicals for treatment. Instead, the Project would use passive treatment techniques that capture stormwater and then reduce pollutant loads and stormwater volumes through containment and infiltration. Therefore, operation of the Project would result in a less than significant hazard to the public or to the environment associated with the routine transport, use, or disposal of hazardous materials. Impacts would be less than significant.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less than Significant Impact. The Phase I ESA was prepared for the Project to identify recognized environmental conditions (RECs) in connection with the Project Site. The American Society of Testing and Materials defines RECs as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions" (Tetra Tech, January 2018). Based on the Phase I ESA, including the Project Site observations and the information reviewed for this assessment, there are no identified RECs associated with the Project Site related to environmental liens, activity use limitations (AULs), aboveground storage tanks (ASTs), underground storage tanks (USTs), current or historical hazardous materials usage, solid waste management, current or historical hazardous waste management, polychlorinated biphenyls (PCBs), mercury, water supply, wastewater, radon, air emissions, drycleaners, microbial growth and moisture intrusion, or environmental non-compliance issues.

Construction and operation of the Project would not result in the storage or use of large quantities of hazardous materials or acute hazardous waste. As explained above in Response IX. a.,

construction and maintenance activities would involve transport, use, and disposal of hazardous materials such as fuels, hydraulic fluids, oils and lubricants, grease, solvents, and cleaning fluids. Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device to be performed by a single vacuum truck and disposed of at the appropriate regulated facility. Maintenance activities could also include occasional channel clearing of sediment and vegetation maintenance that could include the use of chainsaws and weed-whackers that require limited quantities of fuel and oil. In the unlikely event of a spill, these petroleum products are relatively easy to clean up, treat, or biodegrade. Hazardous materials that are more difficult to treat, such as solvents and metals, would not be expected to be used or released in substantial quantities. Further, the Project would not use chemicals for treatment but would use passive treatment techniques that capture stormwater and then treat through containment and infiltration. All transport, handling, use and disposal of substances such as petroleum products related to construction would comply with all federal, state and local laws regulating the management and use of hazardous materials. Therefore, operation of the Project would result in a less than significant hazard to the public or to the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. Impacts would be less than significant.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less than Significant Impact. The Sonrise Christian School and Oak High School are located within one-quarter mile of the Project Site. The Project includes water quality infrastructure improvements that would not use processes that could emit hazardous emissions or otherwise release hazardous substances or wastes. The Project would not use acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. Further, the Project would be required to comply with regulations that would avoid or minimize the potential releases of hazardous materials during construction and operation. As such, impacts would be less than significant.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. The Project Site is not identified as a hazardous materials site based on a review of the Department of Toxic Substances Control's EnviroStor database (DTSC, 2020) and State Water Resources Control Board's GeoTracker Database (SWRCB, 2020).

Site observations and the information reviewed for the Phase I ESA did not indicate RECs associated with the Project Site regarding environmental liens, AULs, ASTs, USTs, current or historical hazardous materials usage, solid waste management, current or historical hazardous waste management, PCBs, mercury, water supply, wastewater, radon, air emissions, dry cleaners, microbial growth and moisture intrusion, or environmental non-compliance issues (Tetra Tech, January 2018). As such, no impact would occur in this regard.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The Project Site is located approximately four miles west of the Brackett Field Airport. The Project Site is not 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. Therefore, the Project would not result in a safety hazard or excessive noise for people residing or working in the Project area. No impact would occur.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. The Project Site is located in a highly urbanized area of the City and is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. It is expected that the majority of construction activities of the Project would be confined on-site and within the boundaries of Wingate Park. All construction equipment would be stored in active grading areas and/or the proposed staging areas within the Project Site. Construction activities may involve temporary lane closures along North Glendora Avenue for construction of underground facilities and infrastructure. Construction-related traffic could result in increased travel time due to flagging or stopping of traffic to accommodate trucks entering and exiting the Project Site during construction. However, the impacts of such construction activity would be temporary and on an intermittent basis. Further, a Construction Management Plan for the Project would be prepared in order to minimize disruptions to through traffic flow, maintain emergency vehicle access to the Project Site and neighboring land uses, and schedule worker and construction equipment delivery to avoid peak traffic hours. As a component of the Construction Management Plan, the times of day and locations of all temporary lane closures would be coordinated so that they do not occur during peak periods of traffic congestion, to the extent feasible. Truck routes for material and equipment deliveries, as well as for soil export and disposal, would require approval by the City's Public Works Department prior to construction activities. The Construction Management Plan would be prepared for review and approval prior to commencement of any construction activity. These practices, as well as techniques typically employed by emergency vehicles to clear or circumvent traffic (i.e., lights and sirens), are expected to limit the potential for significant delays in emergency response times during Project construction. Once constructed, the Project does not include any uses or design features that would result in interference with any adopted emergency response plan or emergency evacuation plan. Therefore, the Project would not result in significant impacts to emergency access during construction and/or operation. The Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Impacts would be less than significant.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

Less than Significant Impact. According to the City's General Plan Safety Element, the Project Site is not located within the Covina Hills area which is considered a high risk area for wildland fires (City of Covina, 2000). The Project Site is located in a highly urbanized area of the City and is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. No increase of wildland fire hazard is expected as a result of Project implementation. The Project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires. As such, impacts would be less than significant.

References

- Department of Toxic Substances Control (DTSC), 2020, EnviroStor Database, accessed at https://www.envirostor.dtsc.ca.gov/public/, accessed on December 2020.
- State Water Resources Control Board (SWRCB), 2020, GeoTracker Database, accessed at https://geotracker.waterboards.ca.gov/, accessed on December 2020.

Tetra Tech, January 2018. Phase I Environmental Site Assessment, Wingate Park Stormwater BMP Project, 735 North Glendora Avenue, Covina, California, 91724. January 15, 2018.

Hydrology and Water Quality

Issu	ies (a	nd Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
X.	H) We	YDROLOGY AND WATER QUALITY— ould the project:				
a)	Vio diso deg	late any water quality standards or waste charge requirements or otherwise substantially rade surface or ground water quality?			\boxtimes	
b)	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?				\boxtimes	
c)	Sub site cou imp	ostantially alter the existing drainage pattern of the or area, including through the alteration of the urse of a stream or river or through the addition of pervious surfaces, in a manner which would:				
	i)	result in substantial erosion or siltation on- or off- site;			\boxtimes	
	ii)	substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;			\boxtimes	
	iii)	create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or				
	iv)	impede or redirect flood flows?				\boxtimes
d)	ln fl of p	lood hazard, tsunami, or seiche zones, risk release oollutants due to project inundation?				\boxtimes
e)	Cor qua mai	nflict with or obstruct implementation of a water ality control plan or sustainable groundwater nagement plan?			\boxtimes	

Discussion

Would the Project:

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than Significant Impact. Project construction activities include demolition, site preparation, grading/excavation, drainage/utilities/subgrade, foundations/concrete pour, and paving/landscaping which could lead to ground disturbance and polluted runoff. Since the Project is anticipated to disturb greater than one acre of land (including laydown and stockpile areas), Project construction activities would be carried out in accordance with applicable City standard erosion control practices required pursuant to the 2019 CBC and the requirements of the NPDES General Construction Permit issued by the LARWQCB, as applicable. Consistent with these requirements, a SWPPP would be prepared that incorporates BMPs to control water erosion during the Project's construction period. Pursuant to the Construction General Permit, prior to terminating permit coverage, the Project Site must be stabilized and not pose any additional sediment discharge risk than it did prior to the commencement of construction activity. The Project will capture runoff from approximately 1,100 acres through a diversion on the Charter Oak Wash. The Project's drainage area represents approximately six percent of the Walnut Creek subwatershed. The Charter Oak Wash drains downstream to Walnut Creek, a tributary to the San Gabriel River. The EWMP RAA details the Los Angeles County Municipal Separate Storm Sewer System (MS4) pollutant loading requirements for subwatershed areas draining to the Upper San Gabriel River Tributary. The RAA found zinc and bacteria to be the limiting pollutants within the EWMP Group area (Tetra Tech, 2018).

A preliminary analysis projected the Project will capture, treat, and infiltrate up to 350 AF of wetweather and up to 300 AF of dry-weather runoff per year from various land uses within the cities of Covina (35 percent), Glendora (20 percent), and San Dimas (11 percent), as well as the surrounding unincorporated areas of Los Angeles County (34 percent). It was determined during the design and environmental review process that allowing dry-weather to bypass the diversion structure would be beneficial for the downstream habitat. The design approach was modified slightly to allow for dry-weather runoff to sustain downstream habitat and infiltrate in Charter Oak Wash rather than the subsurface infiltration system. Approximately 350 AF of wet-weather runoff will be captured and infiltrated through the subsurface infiltration system per year (based on an average rainfall year). An onsite flow meter will be used to quantify the volume captured following construction. The Project would include the construction of a 1.65-acre underground infiltration gallery and associated underground facilities and infrastructure. The Project BMPs are designed to reduce the transport of pollutants such as zinc and bacteria in stormwater, thereby improving water quality. The Project is designed to reverse the impacts from urbanization on the natural hydrography and water quality. The increased infiltration of stormwater resulting from Project implementation would have the effect of increasing recharge to the groundwater, reducing peak storm flows and altering the hydrography toward more natural conditions. By retaining stormwater flows and infiltrating flows closer to natural conditions, the stream hydrographs would be less impacted by the urbanization. The increase in infiltration of stormwater from Project BMPs would also raise groundwater levels and increase groundwater seepage to the Charter Oak Wash following storm events (ESA, 2015). Once constructed, the Project would provide source control treatment of stormwater runoff prior to discharge to the Charter Oak Wash on a regional basis. As such, the Project would provide improved water quality through the capture, treatment, and infiltration of urban runoff and stormwater that would minimize the offsite transport of typical urban runoff pollutants. Therefore, a less than significant impact would occur in this regard.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less than Significant Impact. The Project would not decrease groundwater supplies or interfere substantially with groundwater recharge; rather, the Project is designed to supplement groundwater supplies by capturing, treating, infiltrating stormwater. A preliminary analysis projected the Project will capture, treat, and infiltrate up to 350 AF of wet-weather and up to 300 AF of dry-weather runoff per year from various land uses within the cities of Covina (35 percent),

Glendora (20 percent), and San Dimas (11 percent), as well as the surrounding unincorporated areas of Los Angeles County (34 percent). As such, impacts would be less than significant.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) result in substantial erosion or siltation on- or off-site?

Less than Significant Impact. The proposed stormwater capture facility would not adversely affect the existing drainage pattern of the area nor cause siltation or erosion, although it would divert a portion of stormwater flows from the Charter Oak Wash into a treatment and capture/infiltration facility. The local drainage would mostly remain as it exists today, since the Project would not construct new drainage channels. The Project would be designed to minimize off-site discharges of urban runoff pollutants including siltation and sedimentation. Further, the Project consists primarily of augmenting existing stormwater facilities within a fully-developed urban setting where water flowing into storm drains does not carry significant amounts of silt and does not flow over erosion-prone undeveloped land. As such, substantial erosion or siltation would not be expected to occur. A less than significant impact would occur in this regard.

ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

Less than Significant Impact. The Project would be designed to minimize off-site discharges of urban runoff pollutants. The Project would include on-site infiltration of urban runoff and stormwater which would also be effective in minimizing erosion or transport of sedimentation into Charter Oak Wash. Through increased infiltration prior to discharge into Charter Oak Wash, flows within Charter Oak Wash would receive reduced stormwater flow volumes thereby decreasing flow energies. As a result, the potential for flooding on- or offsite would be reduced and the potential impact less than significant.

iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less than Significant Impact. The Project would reduce off-site stormwater flows through onsite infiltration and detention, resulting in a reduction of stormwater runoff volumes. Further, the Project would provide improvements to the water quality of Charter Oak Was and would reduce potential sources of polluted runoff. As such, a less than significant impact would occur in this regard.

iv) impede or redirect flood flows?

No Impact. According to the Federal Emergency Management Agency (FEMA), the Project Site is located within Zone X, which is determined to be outside the 0.2 percent annual chance floodplain (FEMA, 2008). A preliminary analysis projected the Project will capture, treat, and

infiltrate up to 350 AF of wet-weather and up to 300 AF of dry-weather runoff per year from various land uses within the cities of Covina (35 percent), Glendora (20 percent), and San Dimas (11 percent), as well as the surrounding unincorporated areas of Los Angeles County (34 percent). The local drainage would mostly remain as it exists today, since the Project would not construct new drainage channels. Through increased infiltration prior to discharge into Charter Oak Wash, flows within Charter Oak Wash would receive reduced stormwater flow volumes thereby decreasing flow energies. Further, the Project would not construct housing or other structures. No impact would occur in this regard.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

No Impact. The Project Site is located approximately 29 miles from the Pacific Ocean and is not located within a tsunami inundation zone as identified by the California Department of Conservation (DOC, 2020). Furthermore, the Project is not located within a flood zone as identified by the FEMA (FEMA, 2008). The nearest standing body of water is the Puddingstone Reservoir, which is located approximately three miles east and would not be a risk to the Project due to dam inundation (DPW, 2019). As such, the Project would not risk release of pollutants within a flood hazard zone, or from inundation of tsunami or seiche and there would be no impact.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than Significant Impact. According to the City of Covina's Urban Water Management Plan (UWMP), the Project Site is located within the Main San Gabriel Groundwater Basin (Main Basin) (Covina, 2015). The Main Basin encompasses approximately 107,000 acres, and has a total groundwater storage capacity of 8.6 million acre-feet. Total production over the past ten years, including groundwater and treated local surface water has been decreasing, peaking at about 242,900 acre-feet in fiscal year 2012-13 and falling to about 192,600 by fiscal year 2019-20). The majority of pumping is conducted by municipal water purveyors, and a lesser amount of production is conducted by rock and gravel companies. Most communities depend almost entirely on Main San Gabriel Basin groundwater for their water supply, and also benefit from indirect access to untreated imported water, which is used to replenish the groundwater basin.

As discussed above, the Project would not decrease groundwater supplies or interfere substantially with groundwater recharge; rather, the Project is designed to supplement groundwater supplies by capturing, treating, infiltrating stormwater. The Project BMPs are designed to reduce the transport of pollutants such as zinc and bacteria in stormwater, thereby improving water quality. The Project is designed to reverse the impacts from urbanization on the natural hydrography and water quality. Therefore, a less than significant impact would occur in this regard.

References

- California Department of Conservation (DOC). 2020. Los Angeles County Tsunami Inundation Maps – Webpage. Available at https://www.conservation.ca.gov/cgs/tsunami/maps/losangeles, accessed November 25, 2020.
- City of Covina (Covina). 2015. Urban Water Management Plan. Adopted February, 2017.
- ESA, 2015. Los Angeles County Flood Control District Enhanced Watershed Management Programs, Draft Program Environmental Impact Report. January 2015.
- Federal Emergency Management Agency (FEMA). 2008. Flood Insurance Rate Map Panel 1725 of 2350, Map No. 06037C1725F. Effective September 26, 2008.
- Los Angeles County Department of Public Works (LACDPW). 2019. Maximum Inundation Depth Map for Sunny Day Breach: Puddingstone Dam No.1, April 4, 2019.
- Tetra Tech, November 2018. Feasibility Study for the Upper San Gabriel River Enhanced Watershed Management Program. Appendix B. Wingate Park. Appendix H. Monitoring Plan. Appendix J. Operation and Maintenance Plan. November 14, 2018.

Land Use and Planning

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

Discussion

Would the Project:

a) Physically divide an established community?

Less than Significant Impact. The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and industrial uses. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park, a City owned 17-acre regional park. The Project would include the construction of a 1.65-acre underground infiltration gallery and associated underground facilities and infrastructure. The proposed stormwater and drainage facilities and equipment would be installed underground with the ground level restored to near existing conditions. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and the immediate area of Wingate Park include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. The proposed underground stormwater and drainage facilities and equipment, restored landscaping, and park improvements would be compatible with the existing facilities of Wingate Park. It is expected that the majority of construction activities of the Project would be confined on-site and within the boundaries of Wingate Park. All construction equipment would be stored in active grading areas and/or the proposed staging areas within the Project Site. Therefore, Project implementation would not physically divide an established community. As such, a less than significant impact would occur in this regard.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less than Significant Impact. The City's General Plan designation for the Project Site is Park. Permitted uses in the Park land use designation include community or neighborhood parks, ballfields, play lots, playfields, and related facilities and amenities and structures that are devoted primarily to passive or active recreational and similar uses. The proposed underground stormwater and drainage facilities and equipment, restored landscaping, and park improvements would be consistent with the permitted uses of the Park land use designation and no change to the existing general plan designation is proposed as part of the Project. The Project Site's existing zoning designation is R-1-7500, residential zone (single family). The purpose of the R-1-7500 (single family) zoning designation is to provide for the development of single-family residential neighborhoods (City of Covina, 2000). As the Project is not proposing a change in use of the existing Wingate Park or a zone change, the Project would be consistent with the permitted uses within the City's Zoning Code. Therefore, implementation of the Project would not conflict with an applicable land use plan, goal, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. As such, a less than significant impact would occur in this regard.

References

- City of Covina, 2000. Covina General Plan Land Use Element. Prepared by Covina Community Development Department Planning Division Staff, approved by Planning Commission on March 14, 2000 and approved by City Council on April 18, 2000.
- MWH, 2016. Upper San Gabriel River EWMP Group, Los Angeles Regional Water Quality Control Board, Enhanced Watershed Management Program. June 2015. Revised August 2015. Revised January 2016.

Wingate Park Regional EWMP Project Initial Study/Mitigated Negative Declaration

Mineral Resources

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

Discussion

Would the Project:

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?
- b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. According to the City's General Plan Natural Resources and Open Space Element, there are currently no extractable mineral resources due to long-term urbanization (City of Covina, 2000). Further, the City's Zoning Code prohibits the extraction or production of aggregate mineral resources. In addition, the State Division of Oil and Gas has indicated that there are no significant energy-producing minerals or oil, gas, or geothermal fields within the City (DOC, 2010). Further, the Project Site is located in a highly urbanized area of the City and is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. Therefore, the potential for the loss of a known mineral or locally important mineral resource is low. As such, no impact would occur in this regard.

References

- California Department of Conservation (DOC). 2010. San Gabriel Valley P-C Region Showing MRZ-2 Areas and Active Mine Operations. 2010.
- City of Covina. 2000. General Plan, Natural Resources and Open Space Element, page D-9. Adopted April 18, 2000.

Noise

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

Discussion

to excessive noise levels?

expose people residing or working in the project area

Noise level (or volume) is generally measured in decibels (dB) using the A-weighted sound pressure level (dBA). The A-weighting scale is an adjustment to the actual sound power levels to be consistent with that of human hearing response, which is most sensitive to frequencies around 4,000 Hertz (about the highest note on a piano) and less sensitive to low frequencies (below 100 Hertz). Because of the logarithmic scale of the decibel unit, sound levels cannot be added or subtracted arithmetically. If a sound's physical intensity is doubled, the sound level increases by 3 dBA, regardless of the initial sound level; i.e., 60 dBA plus 60 dBA equals 63 dBA. However, where noise levels of different levels are combined, the change in noise level would be less than 3 dB; i.e., 70 dBA plus 60 dBA equals 70.4 dBA.

Noise that is experienced at any receptor can be attenuated by distance or the presence of noise barriers or intervening terrain. Sound from a single source (i.e., a point source) radiates uniformly outward as it travels away from the source in a spherical pattern. The sound level attenuates (or drops off) at a rate of 6 dBA for each doubling of distance. For acoustically absorptive, or soft, sites (i.e., sites with an absorptive ground surface, such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dBA per doubling of distance is normally assumed. A large object or barrier in the path between a noise source and a receiver can substantially attenuate noise levels at the receiver. The amount of attenuation provided by this shielding depends on the size of the object, proximity to the noise source and receiver, surface weight, solidity, and the frequency content of the noise source. Natural terrain features (such as hills and dense woods) and human-made features (such as buildings and walls) can substantially reduce noise levels. Walls are often constructed between a source and a receiver specifically to reduce noise. A barrier that breaks the line of sight between a source and a receiver will typically result in at least 5 dBA of noise reduction.

The City's General Plan Noise Element contains noise goals and policies that address unnecessary, excessive, and annoying noise levels and sources, such as transportation sources, commercial and industrial sources, miscellaneous stationary sources (e.g., heating and cooling systems, mechanical rooms, etc.), and construction sources. Potentially sensitive land uses in the City include residences (including residences for the elderly), schools, churches, and libraries. Commercial uses are not defined as noise sensitive receptors. Chapter 9.40, Noise, of the City's Municipal Code, includes the following noise standards and regulations:

Section 9.40.050, Time Duration Correction Factors, prohibits any person from operating machinery or mechanical devices in a manner which creates a noise increase of more than 5 dBA for a cumulative period of more than 15 minutes in any hour; 10 dBA for a cumulative period of more than 5 minutes in any hour; 15 dBA for a cumulative period of more than 5 minutes in any hour; 15 dBA for a cumulative period of more than 5 minutes in any hour; 15 dBA for a cumulative period of a cumulative period of more than 5 minutes in any hour; 15 dBA for a cumulative period of a cumulative period of more than 1 minute in any hour; or 20 dBA for any period above the ambient noise level at any property outside the hours permitted by the City's noise ordinance for construction activity.

Section 9.40.110, Construction, prohibits construction activity between the hours of 8:00 PM and 7:00 AM any day, and at any time on Sundays and public holidays.

Section 10.44.010, Designation, establishes truck routes for vehicles exceeding a maximum gross weight of three tons.

Environmental Evaluation

Would the Project result in:

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less than Significant with Mitigation Incorporated. As described in Section 2.5, Construction Activities and Grading, of the Project Description, construction of the Project would occur over a total of 18 months from June 2021 to December 2022. Maximum daily activities would involve up to 36 haul trucks and 10 workers for grading/excavation.

The currently developed Project Site is located within an urbanized area predominately developed with residential, commercial, and industrial uses. Other existing land uses in the Project area include public facilities, the Charter Oak High School, and open space areas. The nearest noise sensitive receptors to the Project Site are the residential uses to the east across North Glendora Avenue, approximately 100 feet away.

To characterize the ambient noise levels at noise sensitive receptors, ESA conducted four shortterm (15-minute duration) ambient noise measurements at the property line of noise sensitive receptors in the vicinity of the Project Site, as shown on **Figure 7**, *Noise Measurement Locations*. **Table XIII-1**, *Ambient Noise Levels*, provides the ambient noise levels measured and noise sources observed at each noise measurement location.



SOURCE: ESRI, 2020; ESA, 2020

ESA

Wingate Parki Regional EWMP

Figure 7 Noise Measurement Locations

Receptor Location	Approximate Distance to Project Site (feet)	Measured Daytime Ambient Noise Levels, (dBA L _{eq})
R1. Single-Family Residential/Charter Oak High School near corner of East Cypress Street and North Glendora Avenue	600	72.2
R2. Multi-Family Residential along North Glendora Avenue	100	67.0
R3. Single-Family Residential along North Glendora Avenue	100	66.8
R4. Single-Family Residential south of the Project Site	125	53.1
SOURCE: ESA 2020.		

TABLE XIII-1 Ambient Noise Levels

Noise from on-site construction activities would be generated by the use of equipment involved during various stages of construction. The noise levels generated by construction equipment would vary depending on factors such as the type and number of equipment, the specific model (horsepower rating), the construction activities being performed, and the maintenance condition of the equipment. Individual pieces of construction equipment anticipated to be used during Project construction could produce maximum noise levels of 77 to 85 dBA Lmax at a reference distance of 50 feet from the noise source, as shown in **Table XIII-2**, *Construction Equipment and Maximum Noise Levels*. These maximum noise levels would occur when equipment is operating under full power conditions. The estimated usage factor for the equipment is also shown in Table XIII-2. The usage factors are based on the Federal Highway Administration (FHWA) Roadway Construction Noise Model User's Guide (FHWA 2006).

Source	Estimated Usage Factor (%)	Reference Noise Level at 50 feet (dBA Lmax)
Cement/Mortar Mixers	40%	79
Compactor (ground)	20%	83
Excavator	40%	81
Grader	40%	85
Other Equipment	50%	85
Paver	50%	77
Roller	20%	80
Rubber Tired Loader	40%	79
Tractor/Loader/Backhoe	25%	80
SOURCE: FHWA 2006.		

TABLE XIII-2 CONSTRUCTION EQUIPMENT AND MAXIMUM NOISE LEVELS

To characterize construction-period noise levels, the hourly Leq noise level associated with each construction phase is estimated based on the quantity, type, and usage factors for each type of equipment used during each construction phase and are typically attributable to multiple pieces of equipment operating simultaneously. Over the course of a construction day, the highest noise

levels would be generated when multiple pieces of construction equipment are operated concurrently.

The estimated noise levels at noise sensitive receptors were calculated using the FHWA's RCNM and were based on a maximum concurrent operation of construction equipment, which is considered a worst-case evaluation because the Project would typically use less equipment simultaneously, and as such would generate lower noise levels; see **Appendix I**, *Noise Measurements and Modeling*, of this Draft IS/MND, for the noise calculation worksheets. The nearest sensitive receptors to the construction areas would be residential and educational land uses. **Table XIII-3**, *Unmitigated Maximum Construction Noise Levels at Sensitive Receptors*, shows the estimated maximum construction noise levels that would occur at the nearest off-site sensitive uses during a peak day of construction activity.

Source	Approximate Distance to Project Site (feet)	Maximum Construction Noise Level (dBA Leq)	Daytime Significance Threshold	Significant Impact?
R1. Single-Family Residential/Charter Oak High School near corner of East Cypress Street and North Glendora Avenue	600	62	77.2	No
R2. Multi-Family Residential along North Glendora Avenue	100	76	72.0	Yes
R3. Single-Family Residential along North Glendora Avenue	100	76	71.8	Yes
R4. Single-Family Residential south of the Project Site	125	69	58.1	Yes
NOTES:				

TABLE XIII-3 UNMITIGATED MAXIMUM CONSTRUCTION NOISE LEVELS AT SENSITIVE RECEPTORS

R4 construction noise level assumes a 5 dBA reduction from intervening vegetation between Project Site and sensitive receptors

SOURCES: FHWA 2006; ESA 2020.

Construction for the Project would occur Monday through Friday, within the hours of 7:00 A.M. and 5:00 P.M., Monday through Friday. Construction on Saturdays would require pre-approval by the City Engineer. Construction noise is considered a significant impact if the activity increases the measured ambient noise levels by 5 dBA during any time of the day. The threshold of 5 dBA over ambient noise levels applies since construction equipment is assumed to be operating for more than 15 minutes in any given construction hour. Table XIII-3, above, compares the estimated construction noise levels to the ambient noise levels plus 5 dBA as measured at locations R1 through R4. Project construction noise could result in an impact to noise sensitive receptors during construction. However, implementation of Mitigation Measures NOISE-1 and NOISE-2 would reduce construction noise and ensure that noise impacts at sensitive receptors would be minimized. Based on Chapter 9.40, Noise, of the City's Municipal Code, as long as Project construction noise limits were identified and the construction activity is exempt from the provisions and requirements of the City's Municipal Code. Therefore, construction noise impacts would be less than significant.

On-road haul trucks would be used to transport materials to and from the Project Site. Per Chapter 10.44, Truck Routes, of the City's Municipal Code, the trucks would travel north along North Glendora Avenue, head east on Arrow Highway, and head north on South Grand Avenue to reach I-210. The number of passing trucks would be minimal at approximately 36 trucks per day (with 8 trucks during the A.M. or P.M. peak hour is assumed in the analysis). The temporary addition of these minimal number of trucks per day during Project construction activities would not contribute to an audible increase in noise levels above the existing noise levels. As previously stated, a doubling of traffic volumes on a roadway is required to increase traffic noise levels by 3 dBA, which is a barely perceptible increase to a healthy human ear. Since the minimal number of trips would not cause a doubling of traffic volumes, the off-site construction traffic noise impacts would be less than significant.

The existing noise environment in the Project area is dominated by traffic noise from vehicle traffic on nearby roadways. As the Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features, operation of the Project would not result in a net increase in operational noise levels. The Project would require periodic maintenance activities to be performed by a single vacuum truck operated by one or two workers on a quarterly basis. Given the minimal usage of maintenance vehicles at the Project Site, Project operation would not result in a perceptible increase in noise levels. As such, operation of the Project would result in a less than significant impact.

Mitigation Measures

NOISE-1: Prior to construction, the City of Covina shall ensure that the contractor specifications stipulate that:

- All construction equipment, fixed or mobile, is equipped with properly operating and maintained mufflers and other state-required noise attenuation devices capable of up to a 5 dBA reduction.
- During construction, stationary construction equipment shall be placed such that emitted noise is directed away from the nearest noise-sensitive receptors.

NOISE-2: Throughout Project construction and operation, the City of Covina shall document, investigate, evaluate, and attempt to resolve all Project-related noise complaints as soon as possible.

- The City shall establish and disseminate a 24/7 hotline telephone number for use by the public to report any undesirable Project noise conditions. If the telephone number is not staffed 24 hours per day, the City shall include an automatic answering feature with date and time stamp recording to answer calls when the phone is unattended.
- The City shall designate a Noise Disturbance Coordinator during construction and permanently once the facility is operational. The Noise Disturbance Coordinator shall assist in resolving noise complaints to minimize impacts while maintaining the

objectives of the construction and operation of the facility. The Noise Disturbance Coordinator shall report all noise complaints to the City program manager.

• For construction noise complaints received outside of the construction hours and days allowed (Monday through Friday, between the hours of 7:00 A.M. and 8:00 P.M.), the Noise Disturbance Coordinator shall take immediate steps to determine whether Project construction is causing the noise and, if so, to reduce the noise level of that activity or take other appropriate action to remedy the complaint as quickly as possible.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Less than Significant Impact. During Project construction, the operation of heavy construction equipment for demolition, earth-moving, and excavation would generate localized vibration levels, which, depending upon distance, could potentially affect structures or annoy people. Non-typical heavy impact machinery that could result in excessive vibration conditions, such as pile drivers, would not be used.

Vibration analyses are conducted for potential structural damage to buildings, and annoyance to humans in inhabited structures. The nearest and most sensitive off-site structures would be multiand single-family residential uses located approximately 100 feet east of the Project Site and the commercial and light industrial uses located approximately 50 feet north of the Project Site. All other receptors are either further away or less susceptible to vibration impacts and impacts would be less than those analyzed herein.

Construction vibration would have a significant impact if:

- Project construction activities cause groundborne vibration levels to exceed the building damage threshold of 0.3 in/sec PPV at Category II Engineered concrete and masonry buildings (commercial/light industrial buildings) and 0.2 in/sec PPV at Building Category III Non-engineered timber and masonry buildings (residential buildings) (FTA 2018), and
- Project construction activities cause groundborne vibration levels to exceed the human annoyance threshold of 80 VdB at Land Use Category 2 Residences (FTA 2018).

The vibration levels generated by the standard construction equipment that generate the highest vibration levels during the construction of the Project are identified in **Table XIII-4**, *Vibration Source Levels for Construction Equipment*, in terms of peak particle velocity (PPV), expressed in inches per second (in/sec), and root mean square (RMS) velocity, expressed in VdB. As shown, depending on the type of construction equipment used, vibration velocities could reach as high as approximately 0.089 in/sec PPV at 25 feet from the source (e.g., large bulldozer), which corresponds to a RMS velocity level of 87 VdB at 25 feet from the source.

Equipment	Approximate PPV (in/sec) at 25 feet	Approximate RMS (VdB) at 25 feet	Approximate PPV (in/sec) at 50 feet	Approximate RMS (VdB) at 50 feet	Approximate PPV (in/sec) at 100 feet	Approximate RMS (VdB) at 100 feet	
Large Bulldozer	0.089	87	0.031	78	0.011	69	
Loaded Trucks	0.076	86	0.027	77	0.010	68	
Jackhammer	0.035	79	0.012	70	0.004	61	
Small Bulldozer	0.003	58	0.001	48	0.000	39	
SOURCE: ESA 2020.							

TABLE XIII-4 VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT

As shown in Table XIII-4, operation of a large bulldozer would generate vibration levels that would not structurally impact structures, if operated at approximately 25 feet or greater. The residences and commercial and light industrial uses are located further than 25 feet from the construction activity. Operation of a large bulldozer at 25 feet would not exceed the 0.3 in/sec PPV or 0.2 in/sec PPV structural damage threshold for these type of buildings. Therefore, the potential structural damage vibration impact to residential and commercial and light industrial structures from Project construction would be less than significant.

In addition to potential structural damage, construction vibration could potentially cause human annoyance at nearby buildings. The vibration impact threshold for human annoyance at a residential structure is 80 VdB. As shown in Table XIII-4, the vibration generated by the operation of a large bulldozer or a loaded haul truck at 25 feet would exceed the human annoyance thresholds of 80 VdB. At 50 and 100 feet, the operation of this equipment would not exceed the human annoyance threshold. Therefore, the operation of this equipment would not exceed the vibration threshold of human annoyance at the residential uses 100 feet east of the Project Site, and impacts would be less than significant.

Once construction activities have been completed, there would be no substantial operational sources of vibration activities from the Project Site. The primary sources of transient vibration would include employee vehicle circulation during maintenance, which also produce limited levels of vibration. These sources would generate substantially lower levels of vibration identified above for construction. Ground-borne vibration generated by each of the abovementioned activities would generate approximately up to 0.005 in/sec PPV adjacent to the Project Site (FTA 2018). Therefore, vibration impacts during Project operation would not result in substantial adverse environmental impacts.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project Site is located approximately four miles to the west of the Brackett Field Airport. The Project Site is not located within the 65 dBA CNEL impact zone of this airport. The range of aircraft overflight noise levels would not exceed any noise standards and would be much lower than the levels considered hazardous for human health. The Project Site is not 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. Therefore, the Project would not have the potential to expose people to significant aircraft-generated noise. No impact would occur.

References

- America Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., Heating, Ventilating, and Air-Conditioning Applications, 1999.
- American Journal of Audiology Vol.7 21-25 October 1998. doi:10.1044/1059-0889(1998/012).
- California Department of Transportation, Transportation and Construction Vibration Guidance Manual, September 2013.
- City of Covina, 2011. General Plan, Noise Element. November. Available online at http://www.beverlyhills.org/business/constructionlanduse/generalplan/
- City of Covina, 2014. Municipal Code. Available online at: http://www.sterlingcodifiers.com/codebook/index.php?book_id=466, accessed online July 2019.
- Federal Transit Administration, Transit Noise and Vibration Impact Assessment, September 2018.

Population and Housing

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

Discussion

Would the Project:

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. The Project would not involve any new housing or businesses. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. The construction of the Project would increase construction employees. However, due to the relatively short duration of construction (i.e., 18 months), Project construction activities would not induce employees to move to the Project vicinity and would not induce population growth or the need for housing. Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. The number of employees would be nominal and would likely be currently employed by the City. The construction of the underground stormwater and drainage facilities and equipment would be to capture, treat, and infiltrate runoff and stormwater to allow the water to contribute to groundwater recharge and replenishment to local aquifers that are used as sources of water to offset water transported from more distant resources. Therefore, the proposed infrastructure would not induce further on- or off-site population growth. Given the limited intensity of the proposed development, substantial growth would not result from the Project. No impact would occur in this regard.

b) **Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?**

No Impact. The Project Site is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. No housing units or habitable structures exist on the Project Site. Since no existing housing would be removed, there would be no need for the construction of replacement housing elsewhere. No impact would occur in this regard.

References

City of Covina General Plan, prepared by the Covina Community Development Department, Planning Division Staff, approved by Planning Commission March 14, 2000, approved by City County April 18, 2000. https://covinaca.gov/pc/page/general-plan, accessed December 2020.

Public Services

Issues (and Supporting Information Sources):		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impac	
XV.	PU	IBLIC SERVICES—				
a)	Wor phy or p new con env acc perf serv	uld the project result in substantial adverse sical impacts associated with the provision of new obysically altered governmental facilities, need for or physically altered governmental facilities, the struction of which could cause significant ironmental impacts, in order to maintain eptable service ratios, response times or other formance objectives for any of the following public <i>v</i> ices:				
	i)	Fire protection?			\boxtimes	
	ii)	Police protection?			\boxtimes	
	iii)	Schools?				\boxtimes
	iv)	Parks?				\boxtimes
	v)	Other public facilities?				\boxtimes

Discussion

Would the Project:

a.i) Fire Protection?

Less than Significant Impact. Fire protection and emergency medical services for the City of Covina, including the Project Site, are provided by the Los Angeles County Fire Department (LACFD), who is contracted with the City. The LACFD provides 24-hour, all-risk emergency services to a population of approximately 4.1 million residents living and working in 59 cities and all of the County's unincorporated communities in a service area of approximately 2,300 square miles. The LACFD is comprised of the Emergency Operations Bureau, the Business Operations Bureau, and the Leadership and Professional Standards Bureau. The emergency operations field divisions are comprised of the North Region, the Central Region, and the East Region within the LACFD service area, which are divided into nine divisions and 22 battalions (LACFD, 2020). The LACFD provides emergency services in response to a wide range of incidents including structure fires, wildfires, commercial fires, hazardous materials incidents, urban search and rescue, and swift water rescue. In 2019, the LACFD responded to a total of 398,981 incidents which included 333,973 emergency medical responses, 7,109 fire incidents (i.e., rubbish, structures, vehicles, brush/grass, miscellaneous property, and outside storage), and 57,899 other incidents (i.e., miscellaneous incidents, false alarms, mutual aid provided, and hazardous materials). In 2019, the LACFD lifeguard division responded to 26,169 incidents which included medical calls, ocean rescues, missing persons, boat rescues/distress, oxygen therapy, and drownings. The LACFD consists of approximately 5,901 personnel including firefighters, specialists, paramedics, pilots, lifeguards, foresters, hazardous materials specialists, dispatchers, and administrative support. The LACFD is comprised of 175 fire stations with 217 engine companies (i.e., type I, type III, and type VI), 33 truck companies (i.e., quints and light forces), 112 paramedic units (i.e., squads, assessment engines, air squads, and assessment quint/light

force), and reserve equipment. The lifeguard division includes 24 lifeguard stations, 159 lifeguard towers, 58 beach patrol vehicles, 8 rescue boats, 2 paramedic rescue boats, and 2 baywatch paramedic squads. The air and wildland division includes 8 helicopters, 9 fire suppression camps, 28 fire suppression crews, and 19 pieces of heavy equipment (i.e., excavators, heavy dump trucks, track loaders, and rubber tire loaders) (LACFD, 2019).

The City, including the Project Site, is located within Division II of the East Region's emergency operations field division. Division II includes Battalions No. 2 and 16 and serves the cities of Azusa, Baldwin Park, Bradbury, Claremont, Covina, Duarte, Glendora, Irwindale, and San Dimas. Three LACFD fire stations provide fire protection and emergency medical services for the City, including the Project Site: Fire Station No. 152, located at 807 Cypress Street, Covina; Fire Station No. 153, located at 1577 East Cypress Street, Covina; and Fire Station No. 154, located at 401 North Second Avenue, Covina. LACFD Fire Station No. 153, located approximately 0.4 miles northeast of the Project Site, is the primary/first due station to the Project Site. LACFD Fire Stations Nos. 154 and 152, located approximately 1.4 miles southwest and 2.4 miles west of the Project Site, respectively, would provide back-up services to the Project Site. However, the LACFD operates under a regional concept in its approach to providing fire protection and emergency medical services, wherein emergency response units are dispatched as needed to an incident anywhere in the LACFD's service territory based on distance and availability, without regard to jurisdictional or municipal boundaries. Apparatus available in each of the fire stations serving the Project Site include a paramedic quint from Fire Station No. 153; a paramedic engine, squad truck, battalion truck, and utility truck from LACFD Fire Station No. 154; and a paramedic engine from LACFD Fire Station No. 152: paramedic engine (Code 2 High, 2020).

The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. Construction activities associated with the Project may temporarily increase the demand for fire protection and emergency medical services, and may cause the occasional exposure of combustible materials, such as wood, plastics, sawdust, coverings and coatings, to heat sources including machinery and equipment sparking, exposed electrical lines, welding activities, and chemical reactions in combustible materials and coatings. However, in compliance with the requirements of the OSHA, all construction managers and personnel would be trained in fire prevention and emergency response. Further, fire suppression equipment specific to construction would be maintained on the Project Site. As applicable, construction activities would be required to comply with the 2019 CBC and the 2019 California Fire Code (CFC), of which the City has adopted as the City's Fire Code.

Construction activities may involve temporary lane closures along North Glendora Avenue for construction of underground facilities and infrastructure. Construction-related traffic could result in increased travel time due to flagging or stopping of traffic to accommodate trucks entering and exiting the Project Site during construction. As such, construction activities could increase response times for emergency vehicles to local business and/or residences within the Project vicinity, due to travel time delays to through traffic. However, the impacts of such construction activity would be temporary and on an intermittent basis. Further, a Construction Management Plan for the Project would be prepared in order to minimize disruptions to through traffic flow,

maintain emergency vehicle access to the Project Site and neighboring land uses, and schedule worker and construction equipment delivery to avoid peak traffic hours. As a component of the Construction Management Plan, the times of day and locations of all temporary lane closures would be coordinated so that they do not occur during peak periods of traffic congestion, to the extent feasible. Truck routes for material and equipment deliveries, as well as for soil export and disposal, would require approval by the City's Public Works Department prior to construction activities. The Construction Management Plan would be prepared for review and approval prior to commencement of any construction activity. These practices, as well as techniques typically employed by emergency vehicles to clear or circumvent traffic (i.e., lights and sirens), are expected to limit the potential for significant delays in emergency response times during Project construction. Therefore, impacts regarding emergency response times and emergency access during construction would be less than significant.

Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. The proposed stormwater and drainage facilities and equipment will be installed underground with the ground level restored to near existing conditions. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. The Project would not change the existing demand for fire protection and emergency medical services because operation of the Project would not result in an increase in above-ground structures, buildings, employees, or population.

Overall, with compliance to the applicable requirements of the 2019 CBC and 2019 CFC, and due to the temporary nature of the necessary construction activities, the limited intensity of the proposed development, and limited operational activities, the Project is not expected to be beyond the scope of available fire and protection services for the City. Accordingly, the LACFD's response times would not be substantially changed such that response times objectives are compromised in any significant manner. Further, no new or expanded fire facilities would be constructed as a result of the Project. Thus, impacts regarding fire protection and emergency medical services would be less than significant.

a.ii) **Police Protection?**

Less than Significant Impact. Police protection services for the City of Covina, including the Project Site, are provided by the Covina Police Department (CPD). The CPD is comprised of the Operations Division and the Police Support Services Division. The Operations Division is comprised of those divisions which provide the basic police function and is made up of patrol, service area policing, traffic unit, school resource officers, Covina Jail, helicopter support, special response team, and parking enforcement. The Administration Services Division supports the CPD and is comprised of investigations, police records, police communications, police administration,

crime prevention, and animal control (CPD, 2020). The CPD police station is located at 444 North Citrus Avenue, approximately 1.3 miles southwest of the Project Site.

During construction, equipment and building materials could be temporarily stored on-site, which could result in theft, graffiti, and vandalism. However, the Project Site is located in an area with high vehicular activity from North Glendora Avenue and East Colver Place. In addition, the construction site would be fenced along the perimeter, with the height and fence materials subject to review and approval by the City's Public Works Department. As discussed above, temporary lane closures along North Glendora Avenue may be required for construction of underground facilities and infrastructure. However, these closures would be temporary in nature and in the event of partial lane closures, both directions of travel on area roadways and access to the Project Site would be maintained. Further, as discussed above, a Construction Management Plan for the Project would be prepared in order to minimize disruptions to through traffic flow, maintain emergency vehicle access to the Project Site and neighboring land uses, and schedule worker and construction equipment delivery to avoid peak traffic hours. Emergency vehicle drivers have a variety of options for avoiding traffic, such as using their sirens to clear a path of travel or driving in the lanes of opposing traffic. Given the visibility of the Project Site from adjacent roadways and surrounding properties, existing CPD presence in the City, maintained emergency access, and construction fencing, the Project is not expected to increase demand on existing police services to a meaningful extent. As such, the Project would have a less than significant temporary impact on police protection during the construction phases.

Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. The Project would not change the existing demand for police protection because operation of the Project would not result in new homes or businesses or an increase in employees or population that would require additional services or extend response times for police protection services beyond those required within the existing onsite uses.

Overall, due to the temporary nature of the necessary construction activities, limited intensity of the proposed development, and limited operational activities, the Project is not expected to be beyond the scope of available police protection services. Accordingly, the CPD's response times would not be substantially changed such that response times objectives are compromised in any significant manner. Further, no new or expanded police facilities would be constructed as a result of the Project. Thus, impacts regarding police protection would be less than significant.

a.iii) Schools?

No Impact. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. As the Project would not include housing or generate new residents or employees, the Project would have no impact on schools.

a.iv) Parks?

No Impact. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. During construction of the Project, park facilities to the west of the grass playing field would remain open and available for park users. The parking lot along North Glendora Avenue would remain open to the public. The area surrounding the parking lot and grass playing field would be secured with construction fencing and would be closed to the public. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. The Project would not include housing or generate new employees, the Project would have no impact on parks.

a.v) Other public facilities?

No Impact. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. As the Project would not include housing or generate new residents or employees, the Project would have no impact on other public facilities such as libraries.

References

- Code to High, 2020. Los Angeles County Emergency Apparatus Photo Site, https://www.code2high.com/lacofd.htm, accessed November 2020.
- CPD, 2020. City of Covina Police Department Website. Police Operations Division Website, https://covinaca.gov/police/page/police-operations-division, accessed November 2020. Police Support Division Website, https://covinaca.gov/police/page/police-support-services, accessed November 2020.
- LACFD, 2020. Los Angeles County Fire Department Overview Booklet, January 2020, https://fire.lacounty.gov/wp-content/uploads/2020/02/Department-Overview-Booklet_Final_Sm.pdf, accessed November 2020.
- LACFD, 2019. Los Angeles County Fire Department 2019 Statistical Summary, https://fire.lacounty.gov/wp-content/uploads/2020/06/2019-Statistical-Summary-May-2020.pdf, accessed November 2020.

Recreation

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

Discussion

Would the Project:

a) 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?

No Impact. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. During construction of the Project, park facilities to the west of the grass playing field would remain open and available for park users. The parking lot along North Glendora Avenue would remain open to the public. The area surrounding the parking lot and grass playing field would be secured with construction fencing and would be closed to the public. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. The Project would not include housing or generate new residents or employees. The Project would provide improved recreational opportunities for the City. The Project would continue to draw residents and visitors to Wingate Park and therefore would not 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. No impact would occur in this regard.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

No Impact. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area

include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. Due to the limited intensity of the improved park amenities, and limited operational activities, the Project would not have a substantial adverse physical effect on the environment. No impact would occur in this regard.

References

City of Covina General Plan, prepared by the Covina Community Development Department, Planning Division Staff, approved by Planning Commission March 14, 2000, approved by City County April 18, 2000. https://covinaca.gov/pc/page/general-plan, accessed December 2020.

Transportation

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

Discussion

The following analysis is based on the *Wingate Park Regional Enhanced Watershed Management Plan – Construction Trip Generation Memorandum* (Traffic Memorandum) (LLG, 2020), located in **Appendix J**, *Traffic Memorandum*, of this Draft IS/MND.

Would the Project:

a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less than Significant Impact.

Construction Trip Generation

Project construction would take approximately 18 months, from June 2021 through December 2022. Project construction activities include demolition, site preparation, grading/excavation, drainage/utilities/subgrade, foundations/concrete pour, and paving/landscaping. It has been determined that the most intensive period of Project construction activity and construction traffic during the weekday A.M. and P.M. peak hours would occur during the grading/excavation phase. This peak construction activity is expected to occur over an approximate two-month period. Other Project construction activities such as paving/landscaping are expected to be less intensive in terms of overall construction traffic generation (LLG, 2020).

Project construction would generate traffic from construction worker travel, the arrival and departure of trucks delivering construction materials to the Project Site, and the removal of debris generated by on-site demolition and site grading/excavation activities. Both the number of construction workers and trucks would vary throughout the construction process.

The City's Municipal Code currently limits construction hours to no earlier than 7:00 A.M. and no later than 5:00 P.M., on Monday through Friday, except on Sundays and federal holidays. Construction on Saturdays would require pre-approval by the City Engineer.

Peak Construction Trip Generation – A.M. Peak Hour

It is assumed the heavy construction equipment would be located on-site during Project construction and would not travel to and from the Project Site on a daily basis. However, haul truck trips would be generated to remove material from the Project Site and to import material to the Site. It is anticipated the export of construction debris and the export of excavation material would be transported via arterial roadways to the regional freeway system. The potential truck haul route would consist of North Glendora Avenue north to East Gladstone Street (approximately 1.4 miles) and west to the nearest landfill, the Azusa Landfill (approximately 3.5 miles), subject to the review and approval by the City (LLG, 2020).

It is anticipated that construction vehicles related to the export activities will have a capacity of 16 cubic yards per truck. The export period is assumed to require approximately 40 work days, which represents a duration of approximately two months. Based on the maximum export of 22,260 cubic vards of material for the grading/excavation phase of Project construction and 40 works days, an average of up to 36 trucks per day (i.e., 36 inbound trucks and 36 outbound trucks) are anticipated (i.e., 565 cubic yards per day/16 cubic yards per truck = 36 trucks [loads rounded upwards] per day). Assuming a total of 10 hours of hauling activities each day, it is estimated that approximately 4 (4 rounded upwards) truck loads (i.e., resulting in four inbound truck trips and 4 outbound truck trips) would occur per hour. With application of a passenger car equivalency (PCE) factor of 2.5 to account for the heavier weight and larger size haul trucks, a total of 10 inbound PCE trips and 10 outbound PCE trips could potentially occur during the weekday A.M. Peak hour (i.e., 4 trucks X 2.5 PCE = 10 inbound PCE trips and 10 rounded outbound PCE trips). While the estimate of the number of construction workers has been provided during this phase (i.e., 10 workers for the grading/excavation phase), and since the construction workday commences at 7:00 A.M., workers are expected to arrive at the Project Site prior to 7:00 A.M., and thus travel outside of the commuter A.M. peak hour (LLG, 2020).

Peak Construction Trip Generation – P.M. Peak Hour

It has been determined that the most intensive period of overall Project construction activity and construction traffic generation during the weekday P.M. peak hour is also expected to occur during the grading/excavation phase. A total of 10 construction workers can be expected during the peak days and these workers are expected to be able to park their trucks/vehicles on-site. It is also anticipated that construction workers would primarily remain on-site throughout the day. The number of construction worker vehicles is estimated using an average vehicle ridership (AVR) of 1.135 persons vehicle (as provided in the SCAQMD CEQA Air Quality Handbook). Therefore, it is anticipated that approximately 18 vehicle trips (9 inbound trips and 9 outbound trips) on a daily basis would be generated to/from the Project Site by construction workers during this peak phase. In order to provide a conservative analysis, regardless of the ending construction hours, it has been assumed that 50 percent of all construction workers would leave the construction site during the P.M. peak hour. This is conservative in that the typical workday is expected to end at 3:30 P.M. Therefore, for purposes of this analysis, a total of 5 outbound construction worker vehicle trips (i.e., 10 workers/1.135 persons per vehicle = 9 outbound worker trips, then 9 workers X 0.50 [50 percent leave the Project Site during the P.M. peak hour] = five (5) outbound worker trips) have been assumed to overlap with the commuter P.M. peak hour (LLG, 2020).

It is generally anticipated that construction worker-related traffic would be largely freeway oriented. Construction workers would likely arrive and depart via the on- and off-ramps serving the I-210 and I-10 Freeways. The most commonly uses freeway ramps would be nearest the Project Site. The construction work force would likely be generated from all parts of the Los Angeles County region and are, thereby, assumed to arrive from all directions. This general distribution (i.e., 80 percent on the freeways and 20 percent on local roadways) could potentially result in approximately 2 vehicles (20 percent X 5 outbound trips = 1 vehicle trip) at any one study intersection near the Project Site during the weekday commuter P.M. peak hour (LLG, 2020).

As stated above, a peak generation of up to 36 haul trucks per day could occur with a maximum generation of 4 trucks per hour (i.e., assuming a 10-hour work day). When accounting for the application of PCE factor of 2.5 to account for the heavier weight and larger size trucks, a total of 10 inbound PCE trips and 10 outbound PCE trips could potentially occur during the P.M. peak hour. Taken together, the construction worker vehicles and haul trucks during the peak phase of the grading/excavation phase are forecast to generate up to 25 weekday P.M. peak hour vehicle trips (i.e., 10 inbound trips and 15 outbound trips) (LLG, 2020).

Peak Construction Trip Generation Summary

The total A.M. peak hour traffic generation during construction is forecast to total 20 PCEadjusted vehicle trips (i.e., 10 inbound trips and 10 outbound trips). The total P.M. peak hour traffic generation during construction is forecast to total 25 PCE-adjusted vehicle trips (15 inbound trips and 10 outbound trips). Over a 24-hour period, the construction of the Project is expected to generate 198 daily trip ends during the peak construction activities; refer to **Table XVII-1**, *Construction Peak Hour Trip Generation* (LLG, 2020).

		•••							
		AM P	eak Hour Vo	olumes [2]	PM Peak Hour Volumes [2]				
Generation Type	Daily	In	Out	Total	In	Out	Total		
Workers [3]	18	-	-	-	0	5	5		
Truck Trips [4]	72	4	4	8	4	4	8		
PCE-Adjusted Truck Trips [5]	180	10	10	20	10	10	20		

TABLE XVII-1
CONSTRUCTION PEAK HOUR TRIP GENERATION [1]

NOTES:

[1] Project construction information provided by the City of Covina and ESA.

[2] Trips are on-way traffic movements, entering or leaving.

[3] A total of 10 workers is anticipated at the Project Site during the grading/excavation phase. Based on average vehicle ridership (AVP) of 1.135 persons per vehicle, 18 vehicles would be generated by the construction workers. Workers are expected to arrive before the 7:00 A.M. shift start time (outside of the A.M. peak hour). During the P.M. peak hour, it is assumed that 50 percent of the construction workers will depart the Project Site, therefore, a total of 5 outbound trips are anticipated to occur (10 workers X 50 percent = 5 outbound trips.

[4] Truck trips during the grading/excavation phase were derived based on the following:

Daily Truck Loads = 22,600 cubic yards/40 works days/16 cubic yards per truck = 36 loads per day.

- Daily Truck Trips = 36 loads X 2 trips/day = 72 truck trips per day
- Peak Hour Truck Trips = 72 trips per day/10 hours = 8 trips per hour.

[5] A PCE factor of 2.5 was employed for analysis purposes. This accounts for the assumption that a truck has the same overall effect on intersection traffic operations as 2.5 passenger cars.

SOURCE: LLG, Wingate Park Regional Enhanced Watershed Management Plan – Construction Trip Generation Memorandum, December 10, 2020.

The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot.

Overall, the Project would not conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. As such, a less than significant impact would occur in this regard.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

No Impact. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot.

The City of Covina Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment (City of Covina, 2020) provides three types of screening that may be applied to effectively screen projects from a detailed, project-level assessment: Transit Priority Area (TPA) Screening, Low Vehicle Miles Traveled (VMT) Area Screening, and Project Type Screening. Local parks, identified under Project Type Screening, are identified as have the presumption of less than significant VMT impacts as these uses are local-serving in nature. As such, the Project Type Screening is applicable to the Project and therefore, a detailed, projectlevel VMT assessment is not required as it is presumed to have a less than significant VMT impact. Further, the Project is a stormwater project with temporary construction and would not increase vehicle trips. No impact would occur in this regard.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. It is expected that the majority of construction activities of the Project would be

confined on-site and within the boundaries of Wingate Park. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. There are no existing hazardous design features such as sharp curves or dangerous intersections on-site or within the Project vicinity. The Project would not alter existing street patterns in the vicinity. The Project is not anticipated to modify the existing access to Wingate Park off North Glendora Avenue. As such, no impact would occur in this regard.

d) **Result in inadequate emergency access?**

Less than Significant Impact. The Project Site is located in an established urban area that is well served by the surrounding roadway network. While it is expected that the majority of construction activities of the Project would be confined on-site, construction activities may involve temporary lane closures along North Glendora Avenue for construction of underground facilities and infrastructure. However, through-access for drivers, including emergency personnel, along North Glendora Avenue will still be provided. In these instances, the Project would implement traffic control measures (e.g., construction flagmen, signage, etc.) to maintain flow and access. Furthermore, in accordance with the City's Public Works Department, the Project would develop a Construction Management Plan which includes designation of a haul routes, to ensure that adequate emergency access is maintained during construction. Therefore, construction is not expected to result in inadequate emergency access. A less than significant construction impact would occur.

Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site include a multi-purpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the parking lot. Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. Project operation would not generate substantial traffic in the Project vicinity other than an occasional service truck to perform maintenance. Therefore, operation of the Project would result in a less than significant impact.

References

- City of Covina, 2020. The City of Covina Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment, October 2020.
- Wingate Park Regional Enhanced Watershed Management Plan Construction Trip Generation Memorandum, prepared by LLG, dated December 10, 2020.

Tribal Cultural Resources

significance of the resource to a California Native

Issues (and Supporting Information Sources):			Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI	II. TF	RIBAL CULTURAL RESOURCES—				
a)	Wo in t in F site geo of t valu	uld the project cause a substantial adverse change he significance of a tribal cultural resource, defined Public Resources Code section 21074 as either a e, feature, place, cultural landscape that is ographically defined in terms of the size and scope he landscape, sacred place, or object with cultural ue to a California Native American tribe, and that				
	i)	Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources. Code Section 5020.1(k), or		\boxtimes		
	ii)	A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the				

Discussion

Would the project:

American tribe.

- a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?
- b) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Less than significant, with mitigation. The NAHC maintains a confidential SLF, which contains records of sites of traditional, cultural, or religious value to the Native American community. The NAHC was contacted on November 11, 2020 to request a search of the SLF.
The NAHC responded to the request in a letter dated January 7, 2020, with the results of the SLF search conducted by the NAHC indicated a positive search result. The NAHC indicated that the Gabrieleno Band of Mission Indians – Kizh Nation should be contacted for information regarding known and recorded sites. The City contacted the Gabrieleno Band of Mission Indians – Kizh Nation as part of AB 52 consultation for more information on the Project Site and vicinity.

Additionally, a records search was requested from the SCCIC on November 11, 2020, and archival research was done in house to determine whether the study area contains any recorded cultural resources that have been previously identified or evaluated. This includes data on prehistoric sites, historic sites, multicomponent sites, prehistoric isolates, historic period isolates, and historic built resources within the Project Site and a 0.5-mile radius around it.

The records search results indicate that three cultural resources studies have been conducted within a 0.5-mile radius of the Project Site. Of the three previous studies, none overlap or are within the Project Site. One cultural resource has been previously recorded within the 0.5-mile records search radius of the Project Site. No cultural resources have been previously recorded within the Project Site or Wingate Park. Site P-19-187085, the Mojave Trail, is mapped approximately 0.35 mile to the northwest of the northern boundary of Wingate Park.

Pursuant to the requirements of AB 52 requiring government-to-government consultation, the City, as the lead agency, sent consultation notification letters via certified mail to Native American groups geographically and culturally affiliated with the Project Site on November 17, 2020. The letters included a description of the Project, the description of the Project location, and a notification of the type of consultation being initiated. To date, the City has received one response from the Native American groups regarding consultation, the details of which are provided below.

As indicated above, only one response was received. The Gabrieleno Band of Mission Indians-Kizh Nation has traded emails with City staff between February 1 and February 18, 2021. The Gabrieleno Band of Mission Indians-Kizh Nation stated that the Project Site is located within the tribe's traditional ancestral territory and requested formal government-to-government consultation. The Gabrieleno Band of Mission Indians-Kizh Nation provided a map of the Kizh Nation Ancestral Tribal Territory. On March 16, 2021, representatives from the City and the Gabrieleno Band of Mission Indians-Kizh Nation met via a telephone conference. During the call, the Gabrieleno Band of Mission Indians-Kizh Nation provided their knowledge of the Project Site and the nearby village of *Weniinga*, and their concerns about the sensitivity of the Project. The City provided information and results of the cultural resources study and discussed the sensitivity of the Site. The Gabrieleno Band of Mission Indians-Kizh Nation indicated that the Project Site is archaeologically sensitive, but did not identify any known tribal cultural resources (as defined in Public Resources Code Section 21074) within the Project Site. The Tribe recommended monitoring during construction and the City agreed with this recommendation and the Tribe and the City agreed to close consultation. The Tribe agreed to provide updated mitigation measures they would like used for the Project which includes a recommendation for an interpretive display which the City intends to include in the Project.

Although no substantial evidence was provided to support the Kizh Tribal claim that any known sacred lands or tribal cultural resources overlap with or occur within the Project Site, the City's review of the Kizh Tribal information concludes that the Project Site has potentially high sensitivity for buried archaeological resources that, once encountered, could potentially be considered a tribal cultural resource as defined in PRC Sections 21074, 5020.1(k), or 5024.1.

Should any unanticipated prehistoric archaeological resources be determined during consultation between the Tribes and the City to potentially be tribal cultural resources, PRC Section 21084.3 would apply. Should the lead agency (City) determine that the Project may cause a substantial adverse change to a tribal cultural resource, the agency will need to consider avoidance and preservation of the resources as well as mitigation measures outlined in PRC Section 21084.3 (b)(1)-(4) which can be considered to avoid or minimize the significant adverse impacts. As stated above, as required by AB 52, consultation between the City and the Gabrieleno Band of Mission Indians-Kizh Nation was conducted. No identified tribal cultural resources as defined in PRC Section 21074(a)(1) that are listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1 (k) have been identified within the Project Site. However, implementation of Mitigation Measure TCR-1. would avoid and/or substantially lessen the above impact by ensuring that any unanticipated tribal cultural resources are appropriately identified, documented, evaluated, and treated promptly, so they are not inadvertently damaged or destroyed. With implementation of Mitigation Measures TCR-1 and TCR-2, the impact to any unanticipated Tribal cultural resources would be less than significant.

Mitigation Measures

TCR-1: Native American Monitoring. Prior to the commencement of any ground disturbing activity at the Project Site, the City 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 AB 52. The Tribal monitor will only be present onsite during the construction phases that involve ground-disturbing activity. 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 Site. The on-site Tribal 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 the Project Site has little to no potential for impacting Tribal Cultural Resources.

Upon discovery of any Tribal Cultural Resources, construction activities shall cease within 50-feet in the immediate vicinity of the find, until the find can be assessed. All Tribal Cultural Resources unearthed by the Project shall be evaluated by the Tribal monitor approved by the Consulting Tribe and the qualified archaeologist. 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 education, cultural and/or historic purposes. Work may continue in other parts of the Project Site while evaluation, and if necessary mitigation takes place. Preservation in place is the preferred manner of

treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavation to remove the resources along with laboratory processing and analysis.

TCR-2: Historical Marker: The Project location represents a Tribal Cultural Landscape where prehistoric and historical events have occurred. To preserve the historical events and information of the Project Site, the City shall work alongside the Kizh Tribe to create language to be used in a historical marker and/or informative plaque or kiosk to be placed on the Project Site for the edification of all future generations.

Utilities and Service Systems

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

Discussion

waste?

Would the Project:

a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less than Significant Impact. Water service is provided to the Project Site through the Covina Irrigating Company (CIC), which obtains water from the Main San Gabriel Groundwater Basin and from the San Gabriel River (City of Covina, 2020). The City's water supply sources include purchased treated local groundwater and treated surface water from the CIC and imported surface water supplies from the Three Valleys Municipal Water District, which is water that is imported by the Metropolitan Water District (MWD) of Southern California (City of Covina, 2020). The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. During Project construction, there would be a temporary, intermittent demand for water for such activities as soil watering for site preparation, fugitive dust control, concrete preparation, cleanup, and other short-term activities. Construction-related water usage is not expected to have an adverse impact on available water supplies or the existing water distribution system. Wastewater service is provided to the Project Site by the Sanitation Districts of Los Angeles County (LACSD) (City of Covina, 2017). During Project construction, a negligible amount of wastewater would be generated by construction workers. It is anticipated that portable toilets would be provided by a private company and the waste disposed off-site. Wastewater generation from construction activities is not anticipated to cause a measureable increase in wastewater flows at a point where, and at a time when, a sewer's capacity is already constrained or that would cause a sewer's capacity to become constrained.

Proposed improvements are intended to capture existing stormwater runoff for treatment of contaminants to improve water quality and to contribute to groundwater recharge and replenishment to local aquifers that are used as sources of water to offset water transported from more distant resources. The stormwater and drainage facilities would increase infiltration to recharge underground water supplies while potentially reducing the amount of potable water consumed. Additionally, the proposed stormwater and drainage facilities and equipment would be installed underground with the ground level restored to near existing conditions. Therefore, the Project would not require or result in the construction of new stormwater drainage facilities or the expansion of existing facilities outside what is proposed under the Project.

Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. The proposed stormwater and drainage facilities and equipment will be installed underground. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multipurpose field with lighting to be located where the existing grass playing field exists today, natural play areas, and the installation of two EV charging stations within the Project Site, and due to the limited intensity and operational activities of the proposed development, it is anticipated that water use, wastewater generation, stormwater drainage, natural gas usage, and telecommunication facilities would be similar to what exists today.

Overall, due to the negligible demand for water and wastewater services and facilities, storm water drainage, electric power, natural gas, and telecommunication facilities, the Project would not require or result in the construction of new facilities or expansion of existing facilities. Therefore, water and wastewater infrastructure, storm water drainage, electric power, natural gas, and telecommunication facility impacts associated with the Project would be less than significant.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less than Significant Impact. As discussed above, Wingate Park and the Project Site are located within the water service area of the CIC which obtains water from the Main San Gabriel Groundwater Basin and from the San Gabriel River (City of Covina, 2020). The Project would include the construction of underground stormwater and drainage facilities and equipment,

landscape improvements, and improved park amenities and recreational features. Construction and operation of the Project would result in minimal demand for water supplies. Water used during construction activities would be used for soil watering for site preparation, fugitive dust control, concrete preparation, painting, cleanup, and other short-term activities. During Project operation, water use would be similar to the water usage that exists today. The landscape improvements would include drought tolerant landscaping or other low water landscaping to the greatest extent feasible. The Project does not propose habitable structures or restroom facilities. Due to the negligible amount of water anticipated to be used by the Project, the existing water entitlements and water resources of the City would be sufficient to serve the Project. A less than significant impact would occur in this regard.

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less than Significant Impact. As discussed above, Wingate Park and the Project Site are located within the wastewater service area of LACSD. LACSD is responsible for safely collecting, treating and disposing the wastewater generated by 24 independent special districts serving approximately 5.6 million people in Los Angeles County (LACSD, 2020a). The Project Site is within LACSD District 22, which and conveys wastewater to the San Jose Creek Water Reclamation Plant (LACSD, 2020b).

The Project would include the construction of underground stormwater and drainage facilities and equipment, landscape improvements, and improved park amenities and recreational features. During Project construction, a negligible amount of wastewater would be generated by construction workers. It is anticipated that portable toilets would be provided by a private company and the waste disposed off-site. Wastewater generation from construction activities is not anticipated to cause a measureable increase in wastewater flows at a point where, and at a time when, a sewer's capacity is already constrained or that would cause a sewer's capacity to become constrained. The Project does not propose habitable structures or restroom facilities. As such, Project operations would not generate wastewater. Therefore, the Project would result in a less than significant impact on wastewater services and facilities.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less than Significant Impact. Trash, recyclables, and green waste within the City are collected by Covina Disposal and disposed of in a variety of landfills through the City's waste hauler, Athens. In 2019, a majority of the solid waste from the City that was disposed of in landfills, went to the Mid-Valley Sanitary Landfill or the El Sobrante Landfill (CalRecycle, 2019a). The Mid-Valley Sanitary Landfill, a Class III municipal solid waste landfill, is permitted for 7,500 tons per day (tpd) maximum with a remaining capacity of 61,219,377 tpd. The Mid-Valley Sanitary Landfill has capacity to serve through year 2045 (CalRecycle, 2019b). El Sobrante Landfill is a Class III regional disposal facility with a maximum permitted throughput of 400 tpd

with a remaining capacity of 3,834,470 cubic yards and an estimated closure date of August 1, 2047 (CalRecycle, 2019c). In addition, solid waste from the City is disposed of at the Azusa Land Reclamation Co. Landfill (CalRecycle, 2019a). The Azusa Land Reclamation Co. Landfill is the nearest landfill, located approximately 3.5 miles northwest of the Project Site. The Azusa Land Reclamation Co. Landfill is a Class II and III disposal facility with a maximum permitted throughput of 8,000 tpd with a maximum capacity of 80,571,760 cubic yards, a remaining capacity of 51,512,201 cubic yards and an estimated closure date of January 1, 2045 (CalRecycle, 2019d).

Construction of the Project would result in generation of solid waste such as excess inert fill, concrete, packing materials, and plastics which could require disposal of construction associated debris. Demolition of the Project includes removal of the existing pavement and base material in the parking lot and removal of the existing concrete sidewalk adjacent to the parking lot. Additionally, Section 5.408.1 of the 2019 California Green Building Standards Code requires demolition and construction activities to recycle or reuse a minimum of 65 percent of the nonhazardous construction and demolition waste. Thus, the demolition and construction solid waste that would be disposed of at the landfill would be approximately 35 percent of the waste generated. As such, construction related solid waste is anticipated to be nominal as a large amount of the construction debris would be recycled. Additionally, disposal and recycling of the construction debris would be required to comply with all federal, State, and local regulations.

Operation of the Project is anticipated to generate a negligible amount of solid waste. Operational activities associated with the Project would be limited to the maintenance and removal of pollutants, sediment and trash debris from the proposed pretreatment device performed by a single vacuum truck operated by one or two workers on a quarterly basis. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored, but improved from what exists today. Construction and operational waste is anticipated to be disposed of at the Mid-Valley Sanitary Landfill, the El Sobrante Landfill, or the Azusa Land Reclamation Co. Landfill. Due to the negligible solid waste generated by the Project, it is anticipated the Mid-Valley Sanitary Landfill, the El Sobrante Landfill, or the Azusa Land Reclamation Co. Landfill could accommodate the Project. As such, a less than significant impact would occur in this regard.

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less than Significant Impact. All local governments, including the City, are required under AB 939, the Integrated Waste Management Act of 1989, to develop source reduction, reuse, recycling, and composting programs to reduce tonnage of solid waste going to landfills. The construction waste generated by the Project would comply with all local, state, and federal requirements for integrated waste management (e.g., recycling, green waste) and solid waste disposal. As previously stated, 65 percent of construction related solid waste is anticipated to be recycled per 2019 California Green Building Standards Code. Operation of the Project would generate minimal solid waste as part of quarterly maintenance of its pretreatment activities and would not exceed the standards or capacity of local disposal facilities. The Project does not

include any component that would conflict with state laws governing construction or operational solid waste diversion and would comply pursuant to local implementation requirements. As such, a less than significant impact would occur in this regard.

References

- California Building Standards Commission, 2019. 2019 California Green Building Standards Code, Section 5.408.1 Construction Waste Management, page 46, https://calgreenenergyservices.com/wp/wpcontent/uploads/2019 california green code.pdf, accessed November 24, 2020.
- CalRecycle, 2019a. Jurisdiction Disposal by Facility, disposal during 2019 for Covina, https://www2.calrecycle.ca.gov/LGCentral/DisposalReporting/Destination/DisposalByFaci lity, accessed November 24, 2020.
- CalRecycle, 2019b. SWIS Facility/Site Activity Details, Mid-Valley Sanitary Landfill (36-AA-0055), https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/1880?siteID=2662, accessed November 24, 2020.
- CalRecycle, 2019c. SWIS Facility/Site Activity Details El Sobrante Landfill (33-AA-0217), https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2256?siteID=2402, accessed November 24, 2020.
- CalRecycle, 2019d, SWIS Facility/Site Activity Details, Azusa Land Reclamation Co. Landfill (19-AA-0013), https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/3532?siteID=1001, accessed December 21, 2020.
- City of Covina, 2017. City of Covina 2015 Urban Water Management Plan. February 2017, https://covinaca.gov/sites/default/files/fileattachments/public_works/page/451/final_2015_ uwmp_-_city_of_covina.pdf, accessed November 24, 2020.
- City of Covina, 2020. Water Quality, https://covinaca.gov/publicworks/page/water-quality, accessed November 24, 2020.
- LACSD, 2020a. About Us, https://www.lacsd.org/aboutus/default.asp, accessed November 24, 2020.
- LACSD, 2020b. Sanitation Districts of Los Angeles County, https://www.arcgis.com/home/webmap/viewer.html?webmap=a76b714d20924a278b49680 ef2d5614d&extent=-118.9493,33.6777,-117.3399,34.3516, accessed November 24, 2020.
- Tetra Tech, November 2018. Feasibility Study for the Upper San Gabriel River Enhanced Watershed Management Program. Appendix B. Wingate Park. Appendix H. Monitoring Plan. Appendix J. Operation and Maintenance Plan. November 14, 2018.

Wildfire

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

Discussion

Would the Project:

- a) Substantially impair an adopted emergency response plan or emergency evacuation plan?
- b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?
- c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?
- d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact (a–d). The California Department of Forestry and Fire Protection (CAL FIRE) maps Fire Hazard Severity Zones (FHSZs), based on factors such as fuel, slope, and fire weather to identify the degree of fire hazard throughout California (i.e., moderate, high, or very high). While FHSZs do not predict when or where a wildfire will occur, they do identify areas where wildfire hazards could be more severe and therefore are of greater concern. The Project Site not is not designated as a State Responsibility Area nor is the Project Site near a State Responsibility Area (CAL FIRE, 2020). According to the CAL FIRE, Covina Fire Hazards Severity Zone Map for the Local Responsible Areas, the Project Site is designated as a non-Very High FHSZ (CAL FIRE, 2020). The Project Site is outside of areas identified by CAL FIRE as having substantial or very high risk (CAL FIRE, 2020). The area approximately one mile to the southeast of the Project Site is categorized as Local Responsible Area VHFHSZ (CAL FIRE, 2020). However, the Project Site is located in a highly urbanized area of the City and is currently developed with a parking lot, a lawn area with cement walkways and vegetation, and a grass playing field within the eastern portion of Wingate Park. No increase of wildfire hazard is expected as a result of the Project. Therefore, no impacts would occur in this regard.

References

- California Department of Forestry and Fire Protection (CAL FIRE). 2020a. California Fire Hazard Severity Zone Viewer. [online]: https://egis.fire.ca.gov/FHSZ/, accessed December 29, 2020.
- City of Covina, 2000. City of Covina General Plan, Safety Element. Accessed at: https://covinaca.gov/pc/page/general-plan, accessed December 2020.

Mandatory Findings of Significance

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

Discussion

Would the Project:

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less than Significant Impact with Mitigation Incorporated. Based on the discussion under Section IV., *Biological Resources*, three special status wildlife species have moderate potential to occur at the Project Site, based on habitat requirements. The three sensitive species with potential to occur within the Project Site are least bell's vireo (*Vireo belli pusillus*; LBV), a federally endangered species; yellow warbler (*Setophaga petechia*), a species of special concern (SSC); and pallid bat (*Antrozous pallidus*), a SSC. Construction activities such as excavation associated with the installation of connective infrastructure and a permanent grated drop inlet to divert flows could result in a potentially significant impact to sensitive birds and bats. However, implementation of Mitigation Measures BIO-1, BIO-2, and BIO-3 would reduce construction impacts to less than significant.

No sensitive natural communities are present within the Project Site. However, riparian vegetation is present along Charter Oak Creek. The riparian vegetation onsite is moderately disturbed and constitutes a mix of native trees/shrubs such as Coast live oak (*Quercus agrifolia*), black willow (*Salix gooddingii*) and Fremont cottonwood (*Populus fremontii*), mulefat (*Baccharis salicifolia*) and non-native trees such as Peruvian pepper tree (*Schinus molle*),

California fan palm (*Washingtonia filifera*), shamel ash (*Fraxinus uhdei*) and London plane (*Platanus x acerifolia*). The riparian vegetation in this area has low habitat value since it is located within a developed park and mixed with exotic plant species. However, implementation of BIO-4 requiring restoration of the bank to encourage recruitment of native vegetation in the affected areas will ensure that any habitat values are not reduced.

Because Charter Oak Creek connects to the San Gabriel River, this feature could represent a migration corridor for birds and wildlife. Additionally, the vegetation along Charter Oak Creek, such as Mexican fan palm clusters, provide suitable nesting sites for birds and roosting sites for bats. Migratory nongame native bird species are protected by international treaty under the Federal Migratory Bird Treaty Act (MBTA) of 1918 (50 C.F.R. Section10.13), and Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds, and their active nests, including raptors and other migratory nongame birds (as listed under the Federal MBTA). Additionally, common bats are protected under CDFG Code Section 4150. Although the Project was designed to limit work near Charter Oak Creek, the construction limits do extend into the southeast corner of the Project Site. Construction activities during nesting bird season, as well as the potential removal of nesting/roosting habitat, could result in potentially significant impacts. Implementation of Mitigation Measures BIO-1 and, BIO-3 would reduce impacts to less than significant.

Implementation of the Project will generally avoid work in Charter Oak Creek, a potential jurisdictional feature that extends east-west along the southern portion of Wingate Park and connects to the San Gabriel River. However, Project construction is expected to occur within a small portion of Charter Oak Creek on the southeast corner of the Project Site where connective infrastructure and a permanent grated drop inlet will be installed. Additionally, reduced flow within the channel can cause indirect impacts to the drainage and the associated vegetation. Mitigation Measures outlined in BIO-4 and BIO-5 would reduce impacts to a less than significant level.

Two species of oak are present within the Project Site and along the adjacent Charter Oak Creek. These include the native coast live oak, *Quercus agrifolia*, and the non-native holly oak, *Quercus ilex*. The City's Municipal Code, Chapter 17.83, Tree Preservation, extends protection to "Heritage Trees" defined as all *Quercus* species with a diameter at breast height (DBH) greater than 10 inches and those trees designated as "Heritage Trees" per Section 17.83.150, Designation of Heritage Trees, of the City's Municipal Code. Project activities requiring removal of "Heritage Trees" for excavation of the 1.65-acre underground infiltration gallery would be considered a significant impact. In addition, work below the dripline of protected trees also constitutes a potentially significant impact. Implementation of Mitigation Measures BIO-6, BIO-7, BIO-8, BIO-9, and BIO-10 would reduce impacts to a less than significant level.

Based on the discussion under Section V, *Cultural Resources*, since the construction of the Project includes ground disturbance up to 30 feet in depth, it is possible that unknown subsurface archaeological resources could be encountered. The SLF results for the undertaking were positive for sacred lands. It is recommended that an archaeological monitor be present during initial ground-disturbing activities, including grubbing and other methods of de-vegetation, in order to

assess surface and subsurface conditions. Mitigation Measures CULT-1 through CULT-3 are identified to ensure that potentially significant impacts to archaeological resources are reduced to a less than significant level. Even so, construction of the Project could potentially disturb previously unknown human remains. Implementation of Mitigation Measure CULT-4 would ensure impacts related to the discovery of human remains would be reduced to a less than significant level.

The NAHC indicated that the Gabrieleno Band of Mission Indians – Kizh Nation should be contacted for information regarding known and recorded sites. The City contacted the Gabrieleno Band of Mission Indians – Kizh Nation as part of AB 52 consultation for more information on the Project Site and vicinity. The tribe did not identify that the Project Site was known to contain human remains.

While no paleontological resources were identified within the Project Site based on the paleontological records search the local findings discussed in Section VII, *Geology and Soils,* indicate that Project-related excavation will likely impact the Pleistocene Alluvium. As a result, Mitigation Measure PALEO-1 is identified to ensure that potentially significant impacts to previously unknown paleontological resources that are unexpectedly discovered during Project construction are reduced to a less than significant level.

Mitigation Measures

Implementation of Mitigation Measures BIO-1 through BIO-10, CULT-1 through CULT-4, PALEO-1, NOISE-1 and NOISE-2, and TCR-1 and TCR-2.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less than Significant Impact with Mitigation Incorporated. A cumulative impact could occur if the Project would result in an incrementally considerable contribution to a significant cumulative impact in consideration of the past, present, and reasonably foreseeable future projects for each resource area. Because the Project impacts are generally construction related, the cumulative study area is generally confined to the immediate vicinity or within a one-mile radius. Per the City's List of Development Projects, revised January 14, 2021, there are not cumulative projects located within a one-mile radius of the Project Site. As such, with implementation of Mitigation Measures BIO-1 through BIO-10, CULT-1 through CULT-4, PALEO-1, NOISE-1 and NOISE-2, and TCR-1 and TCR-2, the Project would not have impacts that are individually limited, but cumulatively considerable and a less than significant impact would occur.

Mitigation Measures

Implementation of Mitigation Measures BIO-1 through BIO-10, CULT-1 through CULT-4, PALEO-1, NOISE-1 and NOISE-2, and TCR-1 and TCR-2.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less than Significant Impact with Mitigation Incorporated. Based on the analysis of the Project's impacts in Sections I through XX, there is no indication that the Project could result in substantial adverse effects on human beings. While there would be a variety of effects related to biological resources, cultural resources, paleontological resources, noise, and tribal cultural resources, these impacts would be less than significant with mitigation incorporated, as necessary. The analysis herein concludes that direct and indirect environmental effects will, at most, require mitigation to reduce potentially significant impacts to less than significant levels. Generally, environmental effects will result in less than significant impacts. Based on the analysis in this Draft IS/MND, the City finds that direct and indirect impacts to human beings will be less than significant with mitigation incorporated, as necessary.

Mitigation Measures

Implementation of Mitigation Measures BIO-1 through BIO-10, CULT-1 through CULT-4, PALEO-1, NOISE-1 and NOISE-2, and TCR-1 and TCR-2.

References

City of Covina, List of Development Projects, Revised January 14, 2021.

SECTION 4 Mitigation Monitoring Reporting Program

4.1 CEQA Requirements

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

The columns in the MMRP table provide the following information:

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

The Mitigation Monitoring and Reporting Program will be kept on file at the following address:

City of Covina, Public Works Department 125 E. College Avenue Covina CA 91723

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
Biological Resources				
 Mitigation Measure BIO-1: Nesting birds. Impacts to nesting birds would be avoided by conducting all vegetation removal and grading outside of the bird breeding season (January 15–September 15). If breeding season cannot be avoided, the following measures would be followed. a. During the avian breeding season, a qualified Project Biologist shall conduct a pre-construction avian nesting survey no more than 7 days prior to vegetation disturbance or site clearing. If grading or other construction activity begins in the non-breeding season, and proceeds continuously into the breeding season, no surveys shall be required. However, if there is a break of 7 days or more in grading or construction activities during the breeding season, a new nesting bird survey shall be conducted before these activities begin again. b. The nest survey shall cover all potential nesting locations on and within 300 feet of the proposed areas where construction activities will occur. c. If an active nest is found during an avian nest survey, a qualified Project Biologist shall implement a 300-foot minimum avoidance buffer for special-status species (e.g., least Bell's vireo, yellow warbler); a 500-foot minimum avoidance buffer for all raptor species; and 300-foot minimum avoidance buffer for all raptor species; and 300-foot minimum avoidance buffer distances for other species will be determined by the Project Biologist, based on the species and its breeding or nesting requirements. The nest site area shall not be disturbed until the nest becomes inactive or the young have fledged. 	Conduct all vegetation removal and grading outside of the bird breeding season (January 15-September 15). During the avian breeding season, a qualified Project Biologist shall conduct a pre-construction avian nesting survey no more than 7 days prior to vegetation disturbance or site clearing. If grading or other construction activity begins in the non-breeding season and proceeds continuously into the breeding season, no surveys shall be required. However, if there is a break of 7 days or more in grading or construction activities during the breeding season, a new nesting bird survey shall be conducted before these activities begin again. If an active nest is found during an avian nest survey, a qualified Project Biologist shall implement a 300-foot minimum avoidance buffer for special-status species (e.g., least Bell's vireo, yellow warbler); a 500-foot minimum avoidance buffer (or other buffer as determined appropriate by the Project Biologist) for other passerine birds.	City of Covina Qualified Project Biologist Project Contractor	Prior to and during grading and/or construction	
Mitigation Measure BIO-2: Least Bell's vireo. To avoid impacts to nesting least Bell's vireo, work activities within 500 feet of suitable nesting habitat shall be timed to avoid the season when nests may be active for this species (March 15 to September 15).	Work activities within 500 feet of suitable nesting habitat shall be timed to avoid the season when nests may be active for this species (March 15 to September 15). If avoidance of work activities within this time period is not feasible, a USFWS protocol survey for least Bell's vireo	City of Covina Qualified Project Biologist Project Contractor	Prior to and during grading and/or construction	

 TABLE 4-1

 MITIGATION MONITORING AND REPORTING PROGRAM FOR THE WINGATE PARK REGIONAL EWMP PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
 a. If avoidance of work activities within this time period is not feasible, a USFWS protocol survey for least Bell's vireo should be conducted within suitable nesting habitat the season prior to initiation of work activities, to determine their presence or absence within 500 feet of proposed work limits. In accordance with the USFWS survey protocol, surveys shall consist of eight site visits conducted 10 days apart during the period of April 10 to July 31. The results shall be submitted in a report to the USFWS. b. If the protocol surveys do not indicate the presence of least Bell's vireo, no further mitigation is required. A negative finding is considered valid until the following breeding season. Additional surveys shall be required each year that work is conducted in least Bell's vireo breeding habitat during the breeding season. c. If occupied habitat and/or nesting individuals are determined to be present based on the focused survey, and work cannot be avoided during the nesting season, a preconstruction clearance survey shall be performed by a qualified biologist within 7 days prior to work activities to determine the approximate location of nesting territories within 500 feet of work areas. Surveys shall be conducted by a biologist approved by the USFWS and CDFW for conducting least Bell's vireo survey, or by a biologist with least Bell's vireo nest surveys, or by a biologist with least Bell's vireo nest surveys, or by a biologist with least Bell's vireo nest surveys, or by a biologist with least Bell's vireo nest surveys, or by a biologist with least Bell's vireo happroached and/or disturbed. If a nest is detected or active breeding is determined, work shall halt within 500 feet of the nesting territory, and the area shall be monitored on a weekly basis until a qualified biologist determines the nest is no longer active and the young have fledged. 	should be conducted within suitable nesting habitat the season prior to initiation of work activities, to determine their presence or absence within 500 feet of proposed work limits. Additional surveys shall be required each year that work is conducted in least Bell's vireo breeding habitat during the breeding season. If occupied habitat and/or nesting individuals are determined to be present based on the focused survey, and work cannot be avoided during the nesting season, a preconstruction clearance survey shall be performed by a qualified biologist within 7 days prior to work activities to determine the approximate location of nesting territories within 500 feet of work areas.			
Mitigation Measure BIO-3: Special Status Bats. Prior to commencement of construction activities, a qualified biologist shall conduct a pre-construction bat survey throughout the Project impact area where ground- disturbing activities are proposed, including a 300-foot buffer in areas where bat roosting may occur. If bats are determined to be roosting, the biologist shall determine whether a day roost (non-breeding) or maternity roost (lactating females and dependent young) is present. If a day roost is determined to be present within areas surveyed, the biologist shall ensure that direct mortality to roosting individuals will not occur. If a maternity roost is	A qualified biologist shall conduct a pre-construction bat survey throughout the Project impact area where ground- disturbing activities are proposed, including a 300-foot buffer in areas where bat roosting may occur. If a day roost is determined to be present within areas surveyed, the biologist shall ensure that direct mortality to roosting individuals will not occur. If a maternity roost is determined to be present within 300 feet from the work areas, a qualified biologist shall determine whether construction activities are likely to disturb breeding activities.	City of Covina Qualified Project Biologist Project Contractor	Prior to construction	

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Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
determined to be present within 300 feet from the work areas, a qualified biologist shall determine whether construction activities are likely to disturb breeding activities.	If direct disturbance to the maternity roost could occur, a Bat Exclusion Plan shall be prepared in consultation with CDFW and implemented.			
If direct disturbance to the maternity roost could occur, a Bat Exclusion Plan shall be prepared in consultation with CDFW and implemented. At a minimum, the plan shall include avoidance and minimization measures to reduce potential impacts to breeding bats during construction activities and prescribed methods to safely and humanely evict bats from the roost to minimize any potential impacts.				
Mitigation Measure BIO-4: Riparian Vegetation. Temporary impacts to native riparian vegetation associated with construction will be restored to pre-project conditions (i.e., pre-project contours and revegetated with native species).	Temporary impacts to native riparian vegetation associated with construction will be restored to pre- project conditions.	City of Covina Project Contractor	Prior to and during grading and/or construction	
Mitigation Measure BIO-5: Jurisdictional Delineation . Prior to work activities, a jurisdictional delineation and report will be prepared to determine whether Charter Oak Creek is subject to regulation by federal and state agencies.	Preparation of a jurisdictional delineation and report.	City of Covina	Prior to construction	
Mitigation Measure BIO-6: Tree Survey . Prior to construction activities, a focused tree survey shall be conducted to quantify the number of "Heritage Trees" that will be potentially impacted by Project activities.	Conduct a focused tree survey.	City of Covina	Prior to construction	
Mitigation Measure BIO-7: If, based on the tree survey, "Heritage Trees" will be impacted by construction activities, a Tree Preservation Permit will be obtained prior to issuance of a building, grading, demolition and/or construction permit.	Obtain a Tree Preservation Permit if "Heritage Trees" will be impacted by construction activities.	City of Covina	Prior to issuance of a building, grading, demolition and/or construction permit.	
Mitigation Measure BIO-8 : Issuance of a tree preservation permit may impose additional conditions of approval including but not limited to:	Issuance of a tree preservation permit.	City of Covina Project Contractor	Prior to construction	
 Replanting of a replacement tree of equivalent value and species. 				
 Relocation of the subject tree(s) to an alternative location. 				
c. Payment of in-lieu mitigation fees to plant and/or preserve the subject tree(s) on property or sites where				

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
 the city can assure the long-term viability of the subject tree(s). d. Preparation of a monitoring and/or mitigation program by a city-approved certified arborist or licensed forester and provision of adequate financial security to assure implementation of the program. e. Such other conditions as may be necessary to assure the tree preservation permit is consistent with the findings and purpose of this chapter (17.83.090 Sec. a–e). 				
Mitigation Measure BIO-9 : Trenching and excavation under the dripline of a Heritage Tree shall only be undertaken using hand tools (17.83.130 Item E).	Use of hand tools while trenching and excavation under the dripline of a Heritage Tree.	City of Covina Project Contractor	During grading and/or construction	
Mitigation Measure BIO-10 : Protective fencing shall be provided around the dripline of all Heritage Trees during construction (17.83.130 Item F).	Provide protective fencing around the dripline of all Heritage Trees.	City of Covina.	Prior to and during grading and/or construction	
Cultural Resources				
Mitigation Measure CULT-1: Prior to the issuance of ground disturbing activities, the City shall retain a qualified Archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards (qualified Archaeologist) to oversee an archaeological monitor who shall be present during construction activities on the Project Site such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the Project. Prior to commencement of excavation activities, an Archaeological Sensitivity Training shall be given for construction personnel. The training session, shall be carried out by the qualified Archaeologist, will focus on how to identify archaeological resources that may be encountered during earthmoving activities, and the procedures to be followed in such an event.	The City shall retain a qualified Archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards (qualified Archaeologist) to oversee an archaeological monitor who shall be present during construction activities on the Project Site such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the Project. Prior to commencement of excavation activities, an Archaeological Sensitivity Training shall be given for construction personnel.	City of Covina Qualified Archaeologist Project Contractor	Prior to the issuance of ground disturbing activities Prior to commencement of excavation activities	
The monitor shall have the authority to direct the pace of construction equipment in areas of higher sensitivity. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments versus. older sediments), and the depth of excavation, and if found, the abundance and type of archaeological resources encountered. Full- time monitoring may be reduced to part-time inspections,				

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
or ceased entirely, if determined adequate by the qualified Archaeologist.				
Mitigation Measure CULT-2: In the event that historic (e.g., bottles, foundations, refuse dumps/privies, railroads, etc.) or prehistoric (e.g., hearths, burials, stone tools, shell and faunal bone remains, etc.) archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A 25-foot buffer shall be established by the qualified Archaeologist around the find where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area. All archaeological resources unearthed by Project construction activities shall be evaluated by the qualified Archaeologist to constitute a "historical resource" pursuant to State CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources. Code Section 21083.2(g), the qualified Archaeologist shall coordinate with the City to develop a formal treatment plan that would serve to reduce impacts to the resources. If any prehistoric archaeological any comments they may have regarding appropriate treatment and disposition of the resources shall be in accordance with State CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment under CEQA. If in coordination with the City, it is determined that preservation in place is not feasible, appropriate treatment of the resource shall be developed by the qualified Archaeologist in coordination with the City and may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any archaeological material collected shall be curated at a public, non-profit institution with a research interest in the materials, if such an institution agrees to accept the material. If no institution accepts the	If historic or prehistoric archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated.	City of Covina Qualified Archaeologist Project Contractor	Prior to and during grading and/or construction	

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date	
school or historical society in the area for educational purposes.					
Mitigation Measure CULT-3 : The qualified Archaeologist shall prepare a final report and appropriate California Department of Parks and Recreation Site Forms at the conclusion of archaeological monitoring. The report shall include a description of resources unearthed, if any, treatment of the resources, results of the artifact processing, analysis, and research, and evaluation of the resources with respect to the California Register of Historical Resources and CEQA. The report and the Site Forms shall be prepared by the City and submitted to the SCCIC and representatives of other appropriate or concerned agencies to signify the satisfactory completion of the development and required mitigation measures.	Preparation of a final report and appropriate California Department of Parks and Recreation Site Forms at the conclusion of archaeological monitoring.	City of Covina Qualified Archaeologist	Conclusion of archaeological monitoring		
Mitigation Measure CUL-4 : If human remains are encountered, the contractor should halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98. Until the landowner has conferred with the MLD, the contractor should ensure that the immediate vicinity where the discovery occurred is not disturbed by further activity, is adequately protected according to generally accepted cultural or archaeological standards or practices, and that further activities take into account the possibility of multiple burials.	If human remains are encountered, the contractor should halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98.	City of Covina Qualified Archaeologist Project Contractor	Prior to and during grading and/or construction		
Geology and Soils					
Mitigation Measure PALEO-1: Retention of a Qualified Paleontologist. A qualified paleontologist meeting the Society of Vertebrate Paleontology (SVP) Standards (SVP, 2010) (Qualified Paleontologist) shall be retained prior to the start of construction activities. The Qualified Paleontologist shall provide technical and compliance oversight of excavation and grading during construction, recovery of fossil materials, and reporting as related to	City to retain a Qualified Paleontologist Conduct Construction Worker Paleontological Resources Sensitivity Training The Qualified Paleontologist shall supervise a paleontological monitor meeting the Society for Vertebrate Paleontology standards (2010) who shall be present during all excavations exceeding 5 feet, the	City of Covina Qualified Paleontologist Project Contractor	Prior to and during grading and/or construction		

		Responsible Implementation	Timing of	Verification
Mitigation Measure	Implementation Action	Agency/Party	Verification	Date
paleontological resources, shall attend the Project kick-off meeting and Project progress meetings on a regular basis, and shall report to the site in the event potential paleontological resources are encountered. Construction Worker Paleontological Resources Sensitivity Training. Prior to start of any ground disturbing activities, the Qualified Paleontologist shall conduct pre-construction worker paleontological resources sensitivity training. The Qualified Paleontologist shall contribute to any construction worker cultural resources sensitivity training either in person or via a training module. The training shall include information on what types of paleontological resources could be encountered during excavations, what to do in case an unanticipated discovery is made by a worker, and laws protecting paleontological resources. All construction personnel shall be informed of the possibility of encountering fossils and instructed to immediately inform the construction foreman or supervisor if any bones or other potential fossils are unexpectedly unearthed in an area where a paleontological monitor is not present. The City shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.	typical depth of the younger alluvium, that encounter the older, Pleistocene alluvium. If a paleontological resource is discovered during construction, the paleontological monitor shall be empowered to temporarily divert or redirect grading and excavation activities in the area of the exposed resource to facilitate evaluation of the discovery. An appropriate buffer area shall be established by the Qualified Paleontologist around the find where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area.			
Paleontological Resources Monitoring. The Qualified Paleontologist shall supervise a paleontological monitor meeting the Society for Vertebrate Paleontology standards (2010) who shall be present during all excavations exceeding 5 feet, the typical depth of the younger alluvium, that encounter the older, Pleistocene alluvium. Monitoring shall consist of visually inspecting fresh exposures of rock for larger fossil remains and, where appropriate, collecting wet or dry screened standard sediment samples (up to 4.0 cubic yards) of promising horizons for smaller fossil remains (SVP, 2010). Depending on the conditions encountered, full-time monitoring can be reduced to part-time inspections or ceased entirely if determined adequate by the Qualified Paleontologist. The Qualified Paleontologist shall spot check the excavation on an intermittent basis and recommend whether the depth of required monitoring should be revised based on his/her observations. Monitoring activities shall be documented in a Paleontological Resources Monitoring Report to be prepared by the Qualified Paleontologist at the completion				

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
of construction and shall be provided to the City within six (6) months of Project completion. If fossil resources are identified during monitoring, the report will also be filed with the Natural History Museum of Los Angeles County.				
If a paleontological resource is discovered during construction, the paleontological monitor shall be empowered to temporarily divert or redirect grading and excavation activities in the area of the exposed resource to facilitate evaluation of the discovery. An appropriate buffer area shall be established by the Qualified Paleontologist around the find where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area. At the Qualified Paleontologist's discretion and to reduce any construction delay, the grading and excavation contractor shall assist in removing rock samples for initial processing and evaluation of the find. All significant fossils shall be collected by the paleontologist. Collected fossils shall be prepared to the point of identification and catalogued before they are submitted to their final repository. Any fossils collected 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, if such an institution agrees to accept the fossils. If no institution accepts the fossil collection, they shall be donated to a local school in the area for educational purposes. Accompanying notes, maps, photographs, and a technical report shall also be filed at the repository and/or school.				

Noise

Mitigation Measure NOISE-1: Prior to construction, the City of Covina shall ensure that the contractor specifications stipulate that:	City to stipulate contractor specifications.	City of Covina Project Contractor	Prior to construction	
 All construction equipment, fixed or mobile, is equipped with properly operating and maintained mufflers and other state-required noise attenuation devices capable of up to a 5 dBA reduction. 				
 During construction, stationary construction equipment shall be placed such that emitted noise is directed away from the nearest noise-sensitive receptors. 				

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
Mitigation Measure NOISE-2 : Throughout Project construction and operation, the City of Covina shall document, investigate, evaluate, and attempt to resolve all Project-related noise complaints as soon as possible.	The City of Covina to document, investigate, evaluate, and attempt to resolve all Project-related noise complaints.	City of Covina Project Contractor	During construction and operation	
• The City shall establish and disseminate a 24/7 hotline telephone number for use by the public to report any undesirable Project noise conditions. If the telephone number is not staffed 24 hours per day, the City shall include an automatic answering feature with date and time stamp recording to answer calls when the phone is unattended.				
 The City shall designate a Noise Disturbance Coordinator during construction and permanently once the facility is operational. The Noise Disturbance Coordinator shall assist in resolving noise complaints to minimize impacts while maintaining the objectives of the construction and operation of the facility. The Noise Disturbance Coordinator shall report all noise complaints to the City program manager. 				
• For construction noise complaints received outside of the construction hours and days allowed (Monday through Friday, between the hours of 7:00 A.M. and 8:00 P.M.), the Noise Disturbance Coordinator shall take immediate steps to determine whether Project construction is causing the noise and, if so, to reduce the noise level of that activity or take other appropriate action to remedy the complaint as quickly as possible.				
Tribal Cultural Resources				
Mitigation Measure TCR-1: Native American Monitoring. Prior to the commencement of any ground disturbing activity at the Project Site, the City 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 AB 52. The Tribal monitor will only be present on-site during the construction phases that involve ground-disturbing activity. 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 Site. The on-site Tribal monitoring shall end when all ground-disturbing activities on the Project Site	City to retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians –Kizh Nation If a tribal cultural resource is discovered, construction activities shall cease within 50-feet in the immediate vicinity of the find, until the find can be assessed.	City of Covina Native American Monitor	Prior to the commencement of any ground disturbing activity. During construction.	

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing of Verification	Verification Date
Tribal Monitor have indicated that the Project Site has little to no potential for impacting Tribal Cultural Resources.				
Upon discovery of any Tribal Cultural Resources, construction activities shall cease within 50-feet in the immediate vicinity of the find, until the find can be assessed. All Tribal Cultural Resources unearthed by the Project shall be evaluated by the Tribal monitor approved by the Consulting Tribe and the qualified archaeologist. 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 education, cultural and/or historic purposes. Work may continue in other parts of the Project Site while evaluation, and if necessary mitigation takes place. Preservation in place is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavation to remove the resources along with laboratory processing and analysis.				
Mitigation Measure TCR-2: Historical Marker: The Project location represents a Tribal Cultural Landscape where prehistoric and historical events have occurred. To preserve the historical events and information of the Project Site, the City shall work alongside the Kizh Tribe to create language to be used in a historical marker and/or informative plaque or kiosk to be placed on the Project Site for the edification of all future generations.	Create language to be used in a historical marker and/or informative plaque or kiosk to be placed on the Project Site for the edification of all future generations.	City of Covina Gabrieleno Band of Mission Indians – Kizh Nation	During and after construction	

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SECTION 5 List of Preparers and Acronyms

5.1 List of Preparers

5.1.1 Lead Agency

City of Covina, Public Works Department 125 E. College Avenue, Covina, CA 91723

• Sharon Gallant, Environmental Services Manager

5.1.2 Initial Study/Mitigated Negative Declaration Preparation

ESA 80 South Lake Avenue Pasadena, CA 91101

- Ruta Thomas, Senior Vice President/Southern CA Regional Director (Project Director)
- Tom Barnes, Vice President (Strategic Advisor)
- Brian Allee, Managing Associate (Project Manager)
- Heidi Rous, Director (Air Quality, Greenhouse Gas Emissions, Energy, Noise)
- Tony Chung, Principal Associate (Noise)
- Victoria Hsu, Managing Associate (Air Quality, Greenhouse Gas Emissions, Energy, Noise)
- Tim Witwer, Senior Associate (Air Quality, Greenhouse Gas Emissions, Energy, Noise)
- Patrick Tennant, Director (Biological Resources)
- Karla Flores, Senior Associate (Biological Resources)
- Sara Dietler, Managing Associate (Cultural Resources)
- Arabesque Abdelwahed, Managing Associate (CEQA Support)
- Sylvia Palomera, Associate III (CEQA Support)
- Anna Millar, Associate II (CEQA Support)
- Stephan Geissler, Managing Associate (GIS/Graphics)
- Denise Kaneshiro, Senior Graphic Designer (Graphics)

5.1.3 Technical Subconsultant

Linscott, Law & Greenspan, Engineers 600 South Lake Avenue, Suite 500 Pasadena, CA 91106

- Clare Look-Jaeger, P.E., Principal
- Francesca Bravo, Senior Transportation Engineer

5.2 Acronyms

Acronym/Abbreviation	Definition
AB	Assembly Bill
AF	Acre-Feet
APNs	Assessor's Parcel Numbers
AQMP	Air Quality Management Plan
AR4	Fourth Assessment Report
ASCE	American Society of Civil Engineers
ASTs	Aboveground Storage Tanks
ATCM	Airborne Toxic Control Measures
AULs	Activity Use Limitations
AVR	Average Vehicle Ridership
BACT	Best Available Control Technology
BMPs	Best Management Practices
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
Cal Fire	California Department of Forestry and Fire Protection
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFC	California Fire Code
CGS	California Geological Survey
CH_4	Methane
CIC	Covina Irrigating Company
City	City of Covina
CNDDB	California Natural Diversity Database
CNEL	Community Noise Level Equivalent
CNPS	California Native Plant Society

Acronym/Abbreviation	Definition
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalents
County	County of Los Angeles
CGS	California Geological Survey
CPD	Covina Police Department
CWA	Clean Water Act
DB	Decibels
dBA	A-weighted Sound Pressure Level
DBH	Diameter at Breast Height
DOC	Department of Conservation
DTSC	California Department of Toxic Substances Control
EMFAC	Emissions Factor Model
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
EWMP	Enhanced Watershed Management Plan
EV	Electric Vehicle
FEMA	Federal Emergency Management Agency
FGC	Fish and Game Code
FHWA	Federal Highway Administration
FHSZ	Fire Hazard Severity Zone
FTA	Federal Transportation Administration
G	Gravity
GHG	Greenhouse Gas Emissions
GMED's	Geotechnical and Materials Engineering Division's
G/BHP-HR	Grams per Brake Horsepower-Hour
GWP	Global Warming Potential
HFCs	Hydrofluorocarbons
I-	Interstate
IN/SEC	Inches per Second
IPCC	Intergovernmental Panel on Climate Change
IRWMP	Integrated Regional Watershed Management Plan
IS/MND	Initial Study/Mitigated Negative Declaration
LACDPW	Los Angeles County Department of Public Works
LACFCD	Los Angeles County Flood Control District
LACFD	Los Angeles County Fire Department
LACSD	Sanitation Districts of Los Angeles County
LARWQCB	Los Angeles Regional Water Quality Control Board
LBV	Least bell's vireo
LOS	Level of Service
LSAA	Lake or Streambed Alteration Agreement

Acronym/Abbreviation	Definition
LST	Localized Significant Threshold
MBTA	Migratory Bird Treaty Act
MCE _G	Maximum Considered Earthquake Geometric Mean
MCE _R	Risk-Targeted Maximum Considered Earthquake
MLD	Most Likely Descendent
MMT	Million Metric Ton
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
MT	Metric Ton
MTCO ₂ e	Metric Ton CO ₂ Equivalents
MWD	Metropolitan Water District of Southern California
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NHMLAC	Natural History Museum of Los Angeles County
NO _X	Oxides of Nitrogen
NPDES	National Pollutant Discharge Elimination System
OEHHA	Office of Environmental Health Hazard Assessment
OFFROAD	Off-Road Vehicle Model
OSHA	Occupational Safety and Health Administration
PCBs	Polychlorinated Biphenyls
PCE	Passenger Car Equivalency
PFCs	Perfluorocarbons
PGA	Peak Ground Acceleration
PM	Particulate Matter
PM _{2.5}	Particulate matter, aerodynamic diameter of 2.5 micrometers or less
PM ₁₀	Particulate matter, aerodynamic diameter of 10 micrometers or less
PPV	Peak Particle Velocity
RAA	Reasonable Assurance Analysis
RCB	Reinforced Concrete Box
RCNM	Road Construction Noise Model
RCP	Regional Comprehensive Plan
RECs	Recognized Environmental Conditions
RMS	Root Mean Square
RPS	Renewables Portfolio Standards
RTP	Regional Transportation Plan
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCIC	South Central Coast Information Center (SCCIC)

Acronym/Abbreviation	Definition	
SLF	Sacred Lands File	
SCS	Sustainable Communities Strategy	
SF ₆	Sulfur Hexafluoride	
SO _x	Sulfur Oxides	
SOON	Surplus Off-Road for NOx	
SR-	State Route	
SRAs	Source Receptor Area	
SSC	Species of Special Concern	
SWPPP	Stormwater Pollution Prevention Plan	
SWRCB	State Water Resources Control Board	
SVP	Society of Vertebrate Paleontology	
TACs	Toxic Air Contaminants	
USA	Underground Service Alert	
USACE	U.S. Army Corps of Engineers	
USEPA	United States Environmental Protection Agency	
USGR	Upper San Gabriel River	
USGS	United States Geology Survey	
USTs	Underground Storage Tanks	
USFWS	U.S. Fish and Wildlife Service	
UWMP	Urban Water Management Plan	
VdB	Vibratory Decibel	
VHFHSZ	Very High Fire Hazard Severity Zone	
VMT	Vehicle Miles Traveled	
VOC	Volatile Organic Compounds	

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Appendix A Air Quality Assumptions and Modeling



Wingate Park Regional EWMP

Construction Assumptions

Project Site Acreage 3.5

Project Summary			
Land Use ¹	CalEEMod Landuse Type	Amount	Unit
Community Park	City Park	1.15	acres
Parking Lot	Parking Lot	2.35	acres

Notes

1 Land use acreage is an estimate of the total site acreage of 3.5 acres

Construction Schedule⁴

									Total One-					
						Total One-way			Way			Total One-		
					# of Workers per	Worker Trips		Vendor Trips	Vendor	Trip	Total Haul	way Haul	Trucks per	
Phase Name	CalEEMod Phase Type	Start Date	End Date	Total Days	day	per day	Trip Length⁵	per day	Trips	Length⁵	Trucks	Trips	day	Trip Length ⁵
Demolition	Demolition	6/7/2021	7/2/2021	20	10	20	14.7	3	6	6.9	58	116	3	4.9
Site Preparation	Site Preparation	7/5/2021	7/23/2021	15	12	24	14.7	3	6	6.9	-	-	-	-
Grading/Excavation	Grading	7/25/2021	9/17/2021	40	10	20	14.7	3	6	6.9	1413	2825	35	4.9
Drainage/Utilities/Sub-Grade	Trenching	12/11/2021	3/11/2022	65	12	24	14.7	-	-	-	-	-	-	-
Foundations/Concrete Pour	Building Construction	3/12/2022	4/2/2022	15	12	24	14.7	1	2	6.9	-	-	-	-
Paving	Paving	4/30/2022	6/3/2022	25	10	20	14.7	23	46	6.9	-	-	-	-
Infiltration Chamber Installation	Building Construction	9/18/2021	12/10/2021	60	16	32	14.7	-	-	6.9	-	-	-	-
Pervious Pavement	Paving	4/3/2022	4/29/2022	20	10	20	14.7	-	-	6.9	-	-	-	-
Landscaping/Trail Construction	Grading	6/4/2022	12/11/2022	135	12	24	14.7	-	-	6.9	-	-	-	-
Site Amenities	Building Construction	7/11/2022	9/9/2022	45	10	20	14.7	2	4	6.9	-	-	-	-

Notes: Based on data needs request provided by CWE

Construction Equipment

Equipment Mix-Subject to change based on emissions results

Phase Name	Equipment Type	Equipment Amount ¹	Hours per Day
Demolition	Tractors/Loaders/Backhoes	3	8
	Excavators	1	8
Site Preparation	Tractors/Loaders/Backhoes	2	8
Grading/Excavation	Tractors/Loaders/Backhoes	1	8
	Excavators	2	8
	Graders	1	8
	Rubber Tired Loaders	2	8
Drainage/Utilties/Sub-Grade	Tractors/Loaders/Backhoes	1	6
	Compactor	1	6
	Excavators	1	6
Foundations/Concrete Pour	Cement and Mortar Mixers	1	6
Infiltration Chambers	Tractors/Loaders/Backhoes	2	8
	Cranes	1	8
Paving	Pavers	1	8
	Paving Equipment	1	8
	Rollers	1	8
Pervious Pavement	Paving Equipment	1	8
Landscaping/Trail	Tractors/Loaders/Backhoes	1	8
	Compactor	1	4
	Rollers	1	6
Site Amenities	Tractors/Loaders/Backhoes	1	8

Notes:

1 Equipment quantities were client-given inputs from construction data needs list
Paved Areas to be Removed

Hardscape ¹	Amount
Total Asphalt (SF)	50,094
Ashpalt Thickness (ft)	0.5
Hardscape Volume (ft3)	25,047
Hardscape Waste Volume (Cubic Yar	928

Notes:

Construction Data Needs
<u>http://www.calrecycle.ca.gov/swfacilities/cdi/tools/Calculations.htm</u>

TOTAL PROJECT DEMOLITION WASTE	Amount	
Total Demolition Waste (tons)	2,500	Enter in CalEEMod
Total Demolition Waste (CY)	928	
Haul Truck Capacity⁵	16	
Total Haul Trucks	58	
Total One-Way Trips	116	Enter in CalEEMod
Duration (days)	20	
Haul Trucks per day	3	

Excavation

Land Use Excavation/ Grading Quantities ¹	Export (CY)	Import (CY)	Site Acreage	Grading Passes	Total Acres Graded
Excavation	22,600		16	3	48

Grading/Excavation	Export (CY)	Import (CY)
Entire Site Development	-	22,600
Total Volume	22,600	
Haul Truck Capacity (CY)	16	
Total Haul Trucks	1,413	
Total One-way Haul Trips	2,825.00	Enter into CalEEM
Duration (days)	40	
Daily Haul Trucks	36	

Source: Construction data needs

|--|

		Concrete	
		Truck	Total Trucks
		Capacity	Needed
Land Use	Concrete Volume (CY)	(CY) ⁴	(Vendor Trips)
Project	36	10	4

Land Use	Total Trucks
Project	4
Duration (days)	4
Trucks per day	1

Notes:

1 Based on data needs provided by CWE

Air Quality Construction Analysis

						Total
Regional Maximums	ROG	NOX	СО	SO2	Total PM10	PM2.5
Source			lb	o/day		
3.2 Demolition - 2021	0.8	8.5	10.9	0.0	1.8	0.6
3.3 Site Preparation - 2021	0.4	4.2	5.5	0.0	0.5	0.3
3.4 Grading - 2021	1.9	23.7	15.5	0.0	1.4	0.9
3.5 Infiltration Chamber Installation - 2021	0.9	10.1	8.0	0.0	1.0	0.5
3.6 Drainage/Utilities/Sub-Grade - 2021	0.4	3.3	5.1	0.0	0.4	0.2
3.6 Drainage/Utilities/Sub-Grade - 2022	0.3	2.8	5.0	0.0	0.4	0.2
3.7 Foundation/Concrete Pour - 2022	0.1	0.4	1.0	0.0	0.3	0.1
3.8 Pervious Pavement - 2022	0.3	1.8	3.2	0.0	0.3	0.1
3.9 Paving - 2022	0.7	7.6	8.4	0.0	0.8	0.4
3.1 Landscaping/Trail Construction - 2022	0.3	3.2	4.5	0.0	0.4	0.2
3.11 Site Amenities - 2022	0.4	2.7	3.5	0.0	1.1	0.3
Overlap	ping Phas	es				
						Total
	ROG	NOX	CO	SO2	Total PM10	PM2.5
2022						
Landscaping/Trail Cosntruction + Site Amenities	0.7	5.8	8.0	0.0	1.6	0.5
Project Daily Maximum Emissions	1.94	23.73	15.52	0.05	1.78	0.88
SCAQMD Regional Significance Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Summer

Air Quality Construction Analysis

			Onsite E	missions			Offsite Emissions					
Summer						Total					Total	Total
	ROG	NOX	со	SO2	Total PM10	PM2.5	ROG	NOX	со	SO2	PM10	PM2.5
Source			lb/	'day					lb/d	ay		
3.2 Demolition - 2021	0.79	7.84	10.05	0.01	1.48	0.56	0.04	0.69	0.89	0.00	0.30	0.09
3.3 Site Preparation - 2021	0.37	3.79	4.52	0.01	0.22	0.21	0.03	0.39	0.93	0.00	0.31	0.09
3.4 Grading - 2021	1.78	19.85	13.77	0.03	0.83	0.71	0.15	3.87	1.75	0.01	0.55	0.17
3.5 Infiltration Chamber Installation - 2021	0.79	8.64	6.50	0.01	0.42	0.39	0.08	1.43	1.50	0.01	0.54	0.16
3.6 Drainage/Utilities/Sub-Grade - 2021	0.34	3.23	4.31	0.01	0.17	0.16	0.02	0.06	0.84	0.00	0.27	0.07
3.6 Drainage/Utilities/Sub-Grade - 2022	0.31	2.78	4.28	0.01	0.14	0.13	0.02	0.06	0.76	0.00	0.27	0.07
3.7 Foundation/Concrete Pour - 2022	0.04	0.28	0.23	0.00	0.01	0.01	0.02	0.14	0.79	0.00	0.28	0.08
3.8 Pervious Pavement - 2022	0.33	1.74	2.55	0.00	0.08	0.08	0.01	0.05	0.64	0.00	0.22	0.06
3.9 Paving - 2022	0.66	5.48	7.18	0.01	0.28	0.26	0.08	2.08	1.21	0.01	0.54	0.16
3.1 Landscaping/Trail Construction - 2022	0.31	3.10	3.74	0.01	0.17	0.16	0.02	0.06	0.76	0.00	0.27	0.07
3.11 Site Amenities - 2022	0.32	2.43	2.77	0.01	0.88	0.24	0.02	0.22	0.69	0.00	0.25	0.07
						Total						
Regional Emissions	ROG	NOX	CO	SO2	Total PM10	PM2.5						
3.2 Demolition - 2021	0.8	8.5	10.9	0.0	1.8	0.6						
3.3 Site Preparation - 2021	0.4	4.2	5.5	0.0	0.5	0.3						
3.4 Grading - 2021	1.9	23.7	15.5	0.0	1.4	0.9						
3.5 Infiltration Chamber Installation - 2021	0.9	10.1	8.0	0.0	1.0	0.5						
3.6 Drainage/Utilities/Sub-Grade - 2021	0.4	3.3	5.1	0.0	0.4	0.2						
3.6 Drainage/Utilities/Sub-Grade - 2022	0.3	2.8	5.0	0.0	0.4	0.2						
3.7 Foundation/Concrete Pour - 2022	0.1	0.4	1.0	0.0	0.3	0.1						
3.8 Pervious Pavement - 2022	0.3	1.8	3.2	0.0	0.3	0.1						
3.9 Paving - 2022	0.7	7.6	8.4	0.0	0.8	0.4						
3.1 Landscaping/Trail Construction - 2022	0.3	3.2	4.5	0.0	0.4	0.2						
3.11 Site Amenities - 2022	0.3	2.7	3.5	0.0	1.1	0.3						
Quarte	nning Dha	205										
Uveria	ipping Phas	565				Total						
	ROG	NOX	со	SO2	Total PM10	PM2.5						
2022												
Landscaping/Trail Cosntruction + Site Amenities	0.7	5.8	8.0	0.0	1.6	0.5						
Project Daily Maximum Emissions	1.94	23.73	15.52	0.05	1.78	0.88						

Winter

Air Quality Construction Analysis

			Onsite E	missions					Offsite En	nissions		
Winter						Total					Total	Total
	ROG	NOX	со	SO2	Total PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Source			lb/o	day					lb/d	ау		
3.2 Demolition - 2021	0.79	7.84	10.05	0.01	1.48	0.56	0.04	0.69	0.89	0.00	0.30	0.09
3.3 Site Preparation - 2021	0.37	3.79	4.52	0.01	0.22	0.21	0.03	0.39	0.93	0.00	0.31	0.09
3.4 Grading - 2021	1.78	19.85	13.77	0.03	0.83	0.71	0.15	3.87	1.75	0.01	0.55	0.17
3.5 Infiltration Chamber Installation - 2021	0.79	8.64	6.50	0.01	0.42	0.39	0.08	1.43	1.50	0.01	0.54	0.16
3.6 Drainage/Utilities/Sub-Grade - 2021	0.34	3.23	4.31	0.01	0.17	0.16	0.02	0.06	0.84	0.00	0.27	0.07
3.6 Drainage/Utilities/Sub-Grade - 2022	0.31	2.78	4.28	0.01	0.14	0.13	0.02	0.06	0.76	0.00	0.27	0.07
3.7 Foundation/Concrete Pour - 2022	0.04	0.28	0.23	0.00	0.01	0.01	0.02	0.14	0.79	0.00	0.28	0.08
3.8 Pervious Pavement - 2022	0.33	1.74	2.55	0.00	0.08	0.08	0.01	0.05	0.64	0.00	0.22	0.06
3.9 Paving - 2022	0.66	5.48	7.18	0.01	0.28	0.26	0.08	2.08	1.21	0.01	0.54	0.16
3.1 Landscaping/Trail Construction - 2022	0.31	3.10	3.74	0.01	0.17	0.16	0.02	0.06	0.76	0.00	0.27	0.07
3.11 Site Amenities - 2022	0.35	2.44	2.62	0.01	0.88	0.24	0.02	0.22	0.69	0.00	0.25	0.07
						Total						
Regional Emissions	ROG	NOX	CO	<u>\$02</u>	Total PM10	PM2.5						
3.2 Demolition - 2021	0.8	8.5	10.9	0.0	1.8	0.6						
	0.4	4.2	5.5	0.0	0.5	0.3						
3.4 Grading - 2021	1.9	23.7	15.5	0.0	1.4	0.9						
3.5 Infiltration Chamber Installation - 2021	0.9	10.1	8.0	0.0	1.0	0.5						
3.6 Drainage/Utilities/Sub-Grade - 2021	0.4	3.3	5.1	0.0	0.4	0.2						
3.6 Drainage/Utilities/Sub-Grade - 2022	0.3	2.8	5.0	0.0	0.4	0.2						
3.7 Foundation/Concrete Pour - 2022	0.1	0.4	1.0	0.0	0.3	0.1						
3.8 Pervious Pavement - 2022	0.3	1.8	3.2	0.0	0.3	0.1						
3.9 Paving - 2022	0.7	7.6	8.4	0.0	0.8	0.4						
3.1 Landscaping/Trail Construction - 2022	0.3	3.2	4.5	0.0	0.4	0.2						
3.11 Site Amenities - 2022	0.4	2.7	3.3	0.0	1.1	0.3						
0	verlapping Pl	nases										
	ROG	NOX	со	SO2	Total PM10	Total PM2.5						
202	2											
Landscaping/Trail Cosntruction + Site Amenities	0.7	5.8	7.8	0.0	1.6	0.5						

0.88

Project Daily Maximum Emissions 1.94 23.73 15.52 0.05 1.78

Air Quality Construction Analysis

	Onsite Emissions					
Localized Emissions				Total		
	NOX	со	Total PM10	PM2.5		
Source			lb/day			
3.2 Demolition - 2021	8	10	1	1		
3.3 Site Preparation - 2021	4	5	0	0		
3.4 Grading - 2021	20	14	1	1		
3.5 Infiltration Chamber Installation - 2021	9	7	0	0		
3.6 Drainage/Utilities/Sub-Grade - 2021	3	4	0	0		
3.6 Drainage/Utilities/Sub-Grade - 2022	3	4	0	0		
3.7 Foundation/Concrete Pour - 2022	0	0	0	0		
3.8 Pervious Pavement - 2022	2	3	0	0		
3.9 Paving - 2022	5	7	0	0		
3.1 Landscaping/Trail Construction - 2022	3	4	0	0		
3.11 Site Amenities - 2022	2	3	1	0		

Localized Emissions	NOY	60	Total DN/10	Total
	NUX	0	Total Pivi10	PIVIZ.5
3.2 Demolition - 2021	8	10	1.5	0.6
3.3 Site Preparation - 2021	4	5	0.2	0.2
3.4 Grading - 2021	20	14	0.8	0.7
3.5 Infiltration Chamber Installation - 2021	9	7	0.4	0.4
3.6 Drainage/Utilities/Sub-Grade - 2021	3	4	0.2	0.2
3.6 Drainage/Utilities/Sub-Grade - 2022	3	4	0.1	0.1
3.7 Foundation/Concrete Pour - 2022	0	0	0.0	0.0
3.8 Pervious Pavement - 2022	2	3	0.1	0.1
3.9 Paving - 2022	5	7	0.3	0.3
3.1 Landscaping/Trail Construction - 2022	3	4	0.2	0.2
3.11 Site Amenities - 2022	2	3	0.9	0.2
Overlapping Pha	ses			
				Total
	NOX	CO	Total PM10	PM2.5
2022				
Landscaping/Trail Construction + Solar Panel Array Installation	5.5	6.5	1.1	0.4
Project Daily Maximum Emissions	19.85	13.77	1.48	0.71

Wingate Park Regional EWMP Total On-Road Emissions

Wingate Park Regional EWMP

Total On-Road Emissions

	Daily	Haul Days	Work Hours	One-Way						Regio	onal Emis	sions			
Construction Phase	One-Way	per Phase	per Day	Trip Distance	Idling					(pound	s/day)				I
	Trips		. ,	per Day	per Day	I			I	PM10	PM10	Total	PM2.5	PM2.5	Total
	-	(days)	(hours/day)	(miles)	(minutes)	ROG	NOX	со	SO2	Dust	Exh	PM10	Dust	Exh	PM2.5
Demolition	2021												!	!	
Total Haul Trips	116														
Hauling	6	20	8	4.9	15	0.01	0.32	0.09	0.00	0.03	0.00	0.03	0.01	0.00	0.01
Vendor	6	20	8	6.9	15	0.01	0.32	0.09	0.00	0.04	0.01	0.04	0.01	0.00	0.02
Worker	20	20	8	14.7	0	0.01	0.05	0.70	0.00	0.22	0.00	0.22	0.06	0.00	0.06
					Total	0.04	0.69	0.89	0.00	0.29	0.01	0.30	0.08	0.01	0.09
Site Preparation	2021														
Total Haul Trips	0														
Hauling	0	6	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	6.9	15	0.01	0.32	0.09	0.00	0.04	0.01	0.04	0.01	0.00	0.02
Worker	24	6	8	14.7	0	0.02	0.06	0.84	0.00	0.27	0.00	0.27	0.07	0.00	0.07
					Total	0.03	0.39	0.93	0.00	0.31	0.01	0.31	0.08	0.01	0.09
Grading	2021														
Total Haul Trips	2825														
Hauling	72	40	8	4.9	15	0.14	3.82	1.12	0.01	0.31	0.04	0.35	0.08	0.03	0.12
Vendor	0	40	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	40	8	14.7	0	0.01	0.05	0.63	0.00	0.20	0.00	0.20	0.05	0.00	0.05
					Total	0.15	3.87	1.75	0.01	0.51	0.04	0.55	0.14	0.03	0.17
Infiltration Chamber Installation	2021														
Total Haul Trips	0														
Hauling	0	60	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	25	60	8	6.9	15	0.05	1.34	0.37	0.00	0.16	0.02	0.18	0.05	0.02	0.06
Worker	32	60	8	14.7	0	0.02	0.09	1.12	0.00	0.36	0.00	0.36	0.09	0.00	0.10
					Total	0.08	1.43	1.50	0.01	0.52	0.02	0.54	0.14	0.02	0.16
Drainage/Utilities/Sub-Grade	2021														
Total Haul Trips	0														
Hauling	0	20	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	20	8	14.7	0	0.02	0.06	0.84	0.00	0.27	0.00	0.27	0.07	0.00	0.07
					Total	0.02	0.06	0.84	0.00	0.27	0.00	0.27	0.07	0.00	0.07
Drainage/Utilities/Sub-Grade	2022														
Total Haul Trips	0														
Hauling	0	45	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	45	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	45	8	14.7	0	0.02	0.06	0.76	0.00	0.27	0.00	0.27	0.07	0.00	0.07
					Total	0.02	0.06	0.76	0.00	0.27	0.00	0.27	0.07	0.00	0.07
Foundations/Concrete Pour	2022														
Total Haul Trips	0														
Hauling	0	15	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	4	8	6.9	15	0.00	0.09	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Worker	24	15	8	14.7	0	0.02	0.06	0.76	0.00	0.27	0.00	0.27	0.07	0.00	0.07
		-	-		Total	0.02	0.14	0.79	0.00	0.28	0.00	0.28	0.07	0.00	0.08

Wingate Park Regional EWMP Total On-Road Emissions

Wingate Park Regional EWMP

Total On-Road Emissions

	Daily	Haul Days	Work Hours	One-Way		Regional Emissions									
Construction Phase	One-Way	per Phase	per Day	Trip Distance	Idling					(pound	ls/day)				
	Trips			per Day	per Day					PM10	PM10	Total	PM2.5	PM2.5	Total
		(days)	(hours/day)	(miles)	(minutes)	ROG	NOX	со	SO2	Dust	Exh	PM10	Dust	Exh	PM2.5
Paving	2022														
Total Haul Trips	0														
Hauling	0	25	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	46	25	8	6.9	15	0.06	2.03	0.57	0.01	0.29	0.02	0.31	0.08	0.02	0.10
Worker	20	25	8	14.7	0	0.01	0.05	0.64	0.00	0.22	0.00	0.22	0.06	0.00	0.06
					Total	0.08	2.08	1.21	0.01	0.52	0.02	0.54	0.14	0.02	0.16
Pervious Pavement	2022														
Total Haul Trips	0														
Hauling	0	20	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	20	8	14.7	0	0.01	0.05	0.64	0.00	0.22	0.00	0.22	0.06	0.00	0.06
					Total	0.01	0.05	0.64	0.00	0.22	0.00	0.22	0.06	0.00	0.06
Landscaping/Trail Construction	2022														
Total Haul Trips	0														
Hauling	0	135	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	135	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	135	8	14.7	0	0.02	0.06	0.76	0.00	0.27	0.00	0.27	0.07	0.00	0.07
					Total	0.02	0.06	0.76	0.00	0.27	0.00	0.27	0.07	0.00	0.07
Site Amenities	2022														
Total Haul Trips	0														
Hauling	0	45	8	4.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	45	8	6.9	15	0.01	0.18	0.05	0.00	0.03	0.00	0.03	0.01	0.00	0.01
Worker	20	45	8	14.7	0	0.01	0.05	0.64	0.00	0.22	0.00	0.22	0.06	0.00	0.06
					Total	0.02	0.22	0.69	0.00	0.25	0.00	0.25	0.07	0.00	0.07

Wingate Park Regional EWMP Running Emissions

	Running Emissions Eactor									
		r	Kunning Emiss	ions Factor						
			(grams/i	mile)						
	ROG	NOX	со	SO2	PM10	PM2.5				
2020Hauling Hauling	0.15227033	4.584609715	0.77352785	0.01421514	0.05991493	0.05074238				
2020Vendor Vendor	0.15052095	3.661476833	0.82032612	0.01250546	0.0674547	0.06124278				
2020Worker Worker	0.02663624	0.096097887	1.20453196	0.00316067	0.002367	0.00217971				
2021Hauling Hauling	0.12467436	4.127586075	0.70244559	0.01389473	0.04956172	0.03988674				
2021Vendor Vendor	0.12175156	3.217634225	0.70325362	0.01222293	0.05527116	0.04911126				
2021Worker Worker	0.02296386	0.083007514	1.08376285	0.00306823	0.00220153	0.00202718				
2022Hauling Hauling	0.08103572	3.571515626	0.57499969	0.01347655	0.0279869	0.01673702				
2022Vendor Vendor	0.0717977	2.602453214	0.52331731	0.01185125	0.02991351	0.02359656				
2022Worker Worker	0.01983052	0.072203528	0.98204326	0.00297251	0.00205325	0.00189053				
2023Hauling Hauling	0.02463044	2.696920068	0.45130496	0.01267644	0.01843607	0.00673608				
2023Vendor Vendor	0.01991806	1.889760516	0.36497107	0.01125961	0.01227567	0.00629015				
2023Worker Worker	0.01715438	0.063123425	0.89542399	0.00287684	0.00192961	0.00177654				
GWP	N/A	N/A	N/A	N/A	N/A	N/A				

	Daily	Haul Days	Work Hours	One-Way			Regional Er	nissions		
Construction Phase	, One-Wav	per Phase	per Day	Trip Distance			(pounds	/dav)		
	Trips		, , ,	per Dav			()	//		
	•	(days)	(hours/day)	(miles)	ROG	NOX	со	SO2	PM10	PM2.5
F			•			•				
Demolition	2021									
Total Haul Trips	116									
Hauling	6	20	8	4.9	0.01	0.27	0.05	0.00	0.00	0.00
Vendor	6	20	8	6.9	0.01	0.29	0.06	0.00	0.01	0.00
Worker	20	20	8	14.7	0.01	0.05	0.70	0.00	0.00	0.00
Site Preparation	2021									
Total Haul Trips	0									
Hauling	0	6	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	6.9	0.01	0.29	0.06	0.00	0.01	0.00
Worker	24	6	8	14.7	0.02	0.06	0.84	0.00	0.00	0.00
Grading	2021									
Total Haul Trips	2825									
Hauling	72	40	8	4.9	0.10	3.21	0.55	0.01	0.04	0.03
Vendor	0	40	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	40	8	14.7	0.01	0.05	0.63	0.00	0.00	0.00
Infiltration Chamber Installation	2021									
Total Haul Trips	0									
Hauling	0	60	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	25	60	8	6.9	0.05	1.22	0.27	0.00	0.02	0.02
Worker	32	60	8	14.7	0.02	0.09	1.12	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	<u>2021</u>									
Total Haul Trips	0									
Hauling	0	20	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	20	8	14.7	0.02	0.06	0.84	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	<u>2022</u>									
Total Haul Trips	0									
Hauling	0	45	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	45	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	45	8	14.7	0.02	0.06	0.76	0.00	0.00	0.00
Foundations/Concrete Pour	2022									
Total Haul Trips	0									
Hauling	0	15	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	4	8	6.9	0.00	0.08	0.02	0.00	0.00	0.00
Worker	24	15	8	14.7	0.02	0.06	0.76	0.00	0.00	0.00

Wingate Park Regional EWMP Running Emissions

	Running Emissions Eactor									
		r	Kunning Emiss	ions Factor						
			(grams/i	mile)						
	ROG	NOX	со	SO2	PM10	PM2.5				
2020Hauling Hauling	0.15227033	4.584609715	0.77352785	0.01421514	0.05991493	0.05074238				
2020Vendor Vendor	0.15052095	3.661476833	0.82032612	0.01250546	0.0674547	0.06124278				
2020Worker Worker	0.02663624	0.096097887	1.20453196	0.00316067	0.002367	0.00217971				
2021Hauling Hauling	0.12467436	4.127586075	0.70244559	0.01389473	0.04956172	0.03988674				
2021Vendor Vendor	0.12175156	3.217634225	0.70325362	0.01222293	0.05527116	0.04911126				
2021Worker Worker	0.02296386	0.083007514	1.08376285	0.00306823	0.00220153	0.00202718				
2022Hauling Hauling	0.08103572	3.571515626	0.57499969	0.01347655	0.0279869	0.01673702				
2022Vendor Vendor	0.0717977	2.602453214	0.52331731	0.01185125	0.02991351	0.02359656				
2022Worker Worker	0.01983052	0.072203528	0.98204326	0.00297251	0.00205325	0.00189053				
2023Hauling Hauling	0.02463044	2.696920068	0.45130496	0.01267644	0.01843607	0.00673608				
2023Vendor Vendor	0.01991806	1.889760516	0.36497107	0.01125961	0.01227567	0.00629015				
2023Worker Worker	0.01715438	0.063123425	0.89542399	0.00287684	0.00192961	0.00177654				
GWP	N/A	N/A	N/A	N/A	N/A	N/A				

		Daily	Haul Days	Work Hours	One-Way	Regional Emissions					
Construction Phase	(One-Way	per Phase	per Day	Trip Distance			(pounds	/day)		
		Trips			per Day						
			(days)	(hours/day)	(miles)	ROG	NOX	со	SO2	PM10	PM2.5
Paving		2022					-	-	-		
Total Haul Trips		0									
Hauling		0	25	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor		46	25	8	6.9	0.05	1.82	0.37	0.01	0.02	0.02
Worker		20	25	8	14.7	0.01	0.05	0.64	0.00	0.00	0.00
Pervious Pavement		2022									
Total Haul Trips		0									
Hauling		0	20	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor		0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker		20	20	8	14.7	0.01	0.05	0.64	0.00	0.00	0.00
Landscaping/Trail Construction		2022									
Total Haul Trips		0									
Hauling		0	135	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor		0	135	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker		24	135	8	14.7	0.02	0.06	0.76	0.00	0.00	0.00
	<u>0</u>	<u>0</u>									
Site Amenities		2022									
Total Haul Trips		0									
Hauling		0	45	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor		4	45	8	6.9	0.00	0.16	0.03	0.00	0.00	0.00
Worker		20	45	8	14.7	0.01	0.05	0.64	0.00	0.00	0.00

Wingate Park Regional EWMP Idling Emissions

			Idling Emissic (grams/m	ons Factor inute)		
	ROG	NOX	со	SO2	PM10	PM2.5
2020Hauling Hauling	0.01876859	0.260056442	0.22922082	0.00043201	0.00052989	0.00050697
2020Vendor Vendor	0.00987959	0.142517399	0.12251179	0.00022933	0.00030983	0.00029642
2020Worker Worker	0	0	0	0	0	0
2021Hauling Hauling	0.01862598	0.257257341	0.23986196	0.00043557	0.00037329	0.00035714
2021Vendor Vendor	0.00978725	0.13997517	0.1278175	0.00023088	0.00022325	0.00021359
2021Worker Worker	0	0	0	0	0	0
2022Hauling Hauling	0.01840798	0.255177208	0.25283938	0.00044167	0.00015725	0.00015045
2022Vendor Vendor	0.0096457	0.137105548	0.13427245	0.00023364	0.00010016	9.5824E-05
2022Worker Worker	0	0	0	0	0	0
2023Hauling Hauling	0.0183884	0.232517081	0.27212729	0.00042369	0.00012747	0.00012196
2023Vendor Vendor	0.00960599	0.123301146	0.14407088	0.00022414	7.0228E-05	6.719E-05
2023Worker Worker	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

	Daily	Haul Days	Work Hours	Idling	dling Regional Emissions					
Construction Phase	One-Wav	per Phase	per Dav	minutes			(pounds	/dav)		
	Trips		,,	per Day			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		(days)	(hours/day)	(miles)	ROG	NOX	со	SO2	PM10	PM2.5
<u>Demolition</u>	<u>2021</u>									
Total Haul Trips	116									
Hauling	6	20	8	15	0.00	0.05	0.05	0.00	0.00	0.00
Vendor	6	20	8	15	0.00	0.03	0.03	0.00	0.00	0.00
Worker	20	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	2021									
Total Haul Trips	0									
Hauling	0	6	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	15	0.00	0.03	0.03	0.00	0.00	0.00
Worker	24	6	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2021									
Total Haul Trips	2825									
Hauling	72	40	8	15	0.04	0.61	0.57	0.00	0.00	0.00
Vendor	0	40	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	40	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Infiltration Chamber Installation	<u>2021</u>									
Total Haul Trips	0									
Hauling	0	60	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	25	60	8	15	0.01	0.12	0.11	0.00	0.00	0.00
Worker	32	60	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	<u>2021</u>									
Total Haul Trips	0									
Hauling	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	2022									
Total Haul Trips	0									
Hauling	0	45	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	45	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	45	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Foundations/Concrete Pour	2022									
Total Haul Trips	0									
Hauling	0	15	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	4	8	15	0.00	0.01	0.01	0.00	0.00	0.00
Worker	24	15	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Wingate Park Regional EWMP Idling Emissions

			Idling Emissic (grams/m	ons Factor inute)		
	ROG	NOX	со	SO2	PM10	PM2.5
2020Hauling Hauling	0.01876859	0.260056442	0.22922082	0.00043201	0.00052989	0.00050697
2020Vendor Vendor	0.00987959	0.142517399	0.12251179	0.00022933	0.00030983	0.00029642
2020Worker Worker	0	0	0	0	0	0
2021Hauling Hauling	0.01862598	0.257257341	0.23986196	0.00043557	0.00037329	0.00035714
2021Vendor Vendor	0.00978725	0.13997517	0.1278175	0.00023088	0.00022325	0.00021359
2021Worker Worker	0	0	0	0	0	0
2022Hauling Hauling	0.01840798	0.255177208	0.25283938	0.00044167	0.00015725	0.00015045
2022Vendor Vendor	0.0096457	0.137105548	0.13427245	0.00023364	0.00010016	9.5824E-05
2022Worker Worker	0	0	0	0	0	0
2023Hauling Hauling	0.0183884	0.232517081	0.27212729	0.00042369	0.00012747	0.00012196
2023Vendor Vendor	0.00960599	0.123301146	0.14407088	0.00022414	7.0228E-05	6.719E-05
2023Worker Worker	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

	Daily	Haul Days	Work Hours	Idling	ng Regional Emissions						
Construction Phase	One-Way	per Phase	per Day	minutes			(pounds,	/day)			
	Trips			per Day							
		(days)	(hours/day)	(miles)	ROG	NOX	CO	SO2	PM10	PM2.5	
Paving	2022										
<u>raving</u> Total Haul Trips	2022										
Hauling	0	25	0	15	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	16	25	0	15	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	25	8	15	0.01	0.21	0.20	0.00	0.00	0.00	
WORKEI	20	25	0	0	0.00	0.00	0.00	0.00	0.00	0.00	
Pervious Pavement	2022										
Total Haul Trips	0										
Hauling	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	20	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	
Landscaping/Trail Construction	2022										
Total Haul Trips	0										
Hauling	0	135	8	15	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	135	8	15	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	24	135	8	0	0.00	0.00	0.00	0.00	0.00	0.00	
Site Amenities	2022										
Total Haul Trips	0										
Hauling	0	45	8	15	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	4	45	8	15	0.00	0.02	0.02	0.00	0.00	0.00	
Worker	20	45	8	0	0.00	0.00	0.00	0.00	0.00	0.00	

Wingate Park Regional EWMP Road Dust, Break Wear, and Tire wear Emissions

			Emission F (grams/r	actors nile)		
		PM10			PM2.5	
	RD	BW	тw	RD	BW	TW
2020Hauling Hauling	3.00E-01	0.061039688	0.03557827	7.36E-02	0.02615987	0.00889457
2020Vendor Vendor	3.00E-01	0.095689863	0.02378913	7.36E-02	0.04100994	0.00594728
2020Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2021Hauling Hauling	3.00E-01	0.061048007	0.03558331	7.36E-02	0.02616343	0.00889583
2021Vendor Vendor	3.00E-01	0.095694022	0.02379166	7.36E-02	0.04101172	0.00594791
2021Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2022Hauling Hauling	3.00E-01	0.061055751	0.0355879	7.36E-02	0.02616675	0.00889698
2022Vendor Vendor	3.00E-01	0.095697894	0.02379395	7.36E-02	0.04101338	0.00594849
2022Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2023Hauling Hauling	3.00E-01	0.061063462	0.03559233	7.36E-02	0.02617005	0.00889808
2023Vendor Vendor	3.00E-01	0.095701749	0.02379617	7.36E-02	0.04101504	0.00594904
2023Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

	Daily	Haul Davs	Work Hours	One-Way			Regional Er	nissions		
Construction Phase	One-Way	per Phase	per Day	Trip Distance			(pounds	(day)		
	Trips	per i nuoc	pc: 24)	nor Day		DM10	(pound)	,,	DM2 F	
	TTPS	(days)	(hours (dou)	per Day (milos)	PD		T14/	PD	P IVI2.5	T14/
		(uays)	(nours/uay)	(innes)	κυ	BW	100	κD	BVV	1 VV
Demolition	2021									
Total Haul Trips	116									
Hauling	6	20	8	19	0.02	0.00	0.00	0.00	0.00	0.00
Vendor	6	20	8	6.9	0.02	0.00	0.00	0.00	0.00	0.00
Worker	20	20	8	14.7	0.03	0.01	0.00	0.01	0.00	0.00
Worker	20	20	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00
Site Preparation	2021									
Total Haul Trips	0									
Hauling	0	6	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	6.9	0.03	0.01	0.00	0.01	0.00	0.00
Worker	24	6	8	14 7	0.23	0.03	0.01	0.06	0.01	0.00
	- ·	Ū	U U	2.07	0120	0.00	0.01	0.00	0.01	0.00
Grading	2021									
Total Haul Trips	2825									
Hauling	72	40	8	4.9	0.23	0.05	0.03	0.06	0.02	0.01
Vendor	0	40	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	40	8	14.7	0.17	0.02	0.00	0.04	0.01	0.00
Infiltration Chamber Installation	2021									
Total Haul Trips	0									
Hauling	0	60	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	25	60	8	6.9	0.11	0.04	0.01	0.03	0.02	0.00
Worker	32	60	8	14.7	0.31	0.04	0.01	0.08	0.02	0.00
Drainage/Utilities/Sub-Grade	2021									
Iotal Haul Trips	0									
Hauling	0	20	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	20	8	14.7	0.23	0.03	0.01	0.06	0.01	0.00
Drainage/Utilities/Sub-Grade	2022									
Total Haul Trips	0									
Hauling	0	45	8	49	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	45	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	45	8	14.7	0.00	0.00	0.00	0.00	0.00	0.00
WORKEI	24	45	0	14.7	0.25	0.05	0.01	0.00	0.01	0.00
Foundations/Concrete Pour	2022									
Total Haul Trips	0									
Hauling	0	15	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	4	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	24	15	8	14.7	0.23	0.03	0.01	0.06	0.01	0.00

Wingate Park Regional EWMP Road Dust, Break Wear, and Tire wear Emissions

		Emission Factors (grams/mile)										
		PM10			PM2.5							
	RD	BW	тw	RD	BW	TW						
2020Hauling Hauling	3.00E-01	0.061039688	0.03557827	7.36E-02	0.02615987	0.00889457						
2020Vendor Vendor	3.00E-01	0.095689863	0.02378913	7.36E-02	0.04100994	0.00594728						
2020Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002						
2021Hauling Hauling	3.00E-01	0.061048007	0.03558331	7.36E-02	0.02616343	0.00889583						
2021Vendor Vendor	3.00E-01	0.095694022	0.02379166	7.36E-02	0.04101172	0.00594791						
2021Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002						
2022Hauling Hauling	3.00E-01	0.061055751	0.0355879	7.36E-02	0.02616675	0.00889698						
2022Vendor Vendor	3.00E-01	0.095697894	0.02379395	7.36E-02	0.04101338	0.00594849						
2022Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002						
2023Hauling Hauling	3.00E-01	0.061063462	0.03559233	7.36E-02	0.02617005	0.00889808						
2023Vendor Vendor	3.00E-01	0.095701749	0.02379617	7.36E-02	0.04101504	0.00594904						
2023Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002						

	Daily	Haul Days	Work Hours	One-Way	Regional Emissions					
Construction Phase	One-Way	per Phase	per Day	Trip Distance	(pounds/day)					
	Trips			per Day		PM10			PM2.5	
		(days)	(hours/day)	(miles)	RD	BW	TW	RD	BW	тw
Paving	2022									
Total Haul Trips	0									
Hauling	0	25	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	46	25	8	6.9	0.21	0.07	0.02	0.05	0.03	0.00
Worker	20	25	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00
Pervious Pavement	2022									
Total Haul Trips	0									
Hauling	0	20	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	20	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00
Landscaping/Trail Construction	2022									
Total Haul Trips	0									
Hauling	0	135	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	135	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	24	135	8	14.7	0.23	0.03	0.01	0.06	0.01	0.00
Site Amenities	2022									
Total Haul Trips	0									
Hauling	0	45	8	4.9	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	45	8	6.9	0.02	0.01	0.00	0.00	0.00	0.00
Worker	20	45	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00

Page 1 of 1

Wingate Park Regional EWMP - South Coast Air Basin, Winter

Wingate Park Regional EWMP South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.15	Acre	1.15	50,094.00	0
City Park	2.35	Acre	2.35	102,366.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Ediso	n			
CO2 Intensity (Ib/MWhr)	702.44	CH4 Intensity (Ib/MWhr)	0.029	N2O Intensity 0.0 (Ib/MWhr)	006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Construction Phase - Client given construction schedule Off-road Equipment - Client given construction schedule

Off-road Equipment - Client given construction schedule

Demolition - Client given construction schedule

Grading - Client given construction schedule

Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteri	100	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInterio	100	0
tblAreaMitigation		50	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorVa	50	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	230.00	45.00
tblConstructionPhase	NumDays	230.00	60.00
tblConstructionPhase	NumDays	230.00	15.00
tblConstructionPhase	NumDays	8.00	40.00
tblConstructionPhase	NumDays	8.00	135.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	18.00	25.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	AcresOfGrading	20.00	3.50
tblGrading	MaterialExported	0.00	22,600.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
	71 B B		

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/c	day							lb/d	lay		
2021	2.4044	38.4372	18.5877	0.0874	3.0024	0.8252	3.4531	0.4938	0.7613	1.1635	0.0000	9,093.023 5	9,093.023 5	1.4543	0.0000	9,129.381 8
2022	0.8558	7.2334	8.8474	0.0218	0.9648	0.2808	1.2347	0.2595	0.2583	0.5084	0.0000	2,183.555 5	2,183.555 5	0.3534	0.0000	2,191.545 5

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	2 Total CO2	CH4	N2O	CO2e
Year					lb/	day							lb/	day		
2021	2.4044	38.4372	18.5877	0.0874	1.4623	0.8252	2.2875	0.3902	0.7613	1.1515	0.0000	9,093.023 5	9,093.023 5	1.4543	0.0000	9,129.381 8
2022	0.8558	7.2334	8.8474	0.0218	0.9648	0.2808	1.2347	0.2595	0.2583	0.5084	0.0000	2,183.555 5	2,183.555 5	0.3534	0.0000	2,191.545 5
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e

	noo	nox		001	PM10	PM10	Total	PM2.5	PM2.5	Total	510 001		10101 002	onia	1120	0010
Percent Reduction	0.00	0.00	0.00	0.00	38.82	0.00	24.86	13.75	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/7/2021	7/2/2021	5	20	
2	Site Preparation	Site Preparation	7/5/2021	7/23/2021	5	15	
3	Grading	Grading	7/25/2021	9/17/2021	5	40	
4	Infiltration Chamber Installation	Building Construction	9/18/2021	12/10/2021	5	60	
5	Drainage/Utilities/Sub-grade	Trenching	12/11/2021	3/11/2022	5	65	
6	Foundations/Concrete Pour	Building Construction	3/12/2022	4/2/2022	5	15	
7	Pervious Pavement	Paving	4/3/2022	4/29/2022	5	20	
8	Paving	Paving	4/30/2022	6/3/2022	5	25	
9	Landscaping/Trail Construction	Grading	6/4/2022	12/11/2022	5	135	
10	Site Amenities	Building Construction	7/11/2022	9/9/2022	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.5

Acres of Paving: 1.15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	0	0.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	2	8.00	158	0.38

Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	255	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Cement and Mortar Mixers	1	6.00	9	0.56
Foundations/Concrete Pour	Cranes	0	0.00	226	0.29
Foundations/Concrete Pour	Forklifts	0	0.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	0.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Foundations/Concrete Pour	Welders	0	0.00	46	0.45
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Drainage/Utilities/Sub-grade	Air Compressors	0	0.00	78	0.48
Drainage/Utilities/Sub-grade	Excavators	1	6.00	158	0.38
Drainage/Utilities/Sub-grade	Plate Compactors	1	6.00	8	0.43
Drainage/Utilities/Sub-grade	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Infiltration Chamber Installation	Cranes	1	8.00	231	0.29
Infiltration Chamber Installation	Forklifts	0	0.00	89	0.20
Infiltration Chamber Installation	Generator Sets	0	0.00	84	0.74
Infiltration Chamber Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Infiltration Chamber Installation	Welders	0	0.00	46	0.45
Pervious Pavement	Cement and Mortar Mixers	0	0.00	9	0.56
Pervious Pavement	Pavers	0	0.00	130	0.42
Pervious Pavement	Paving Equipment	1	8.00	132	0.36
Pervious Pavement	Rollers	0	0.00	80	0.38
Pervious Pavement	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Landscaping/Trail Construction	Excavators	0	0.00	158	0.38
Landscaping/Trail Construction	Graders	0	0.00	187	0.41
Landscaping/Trail Construction	Plate Compactors	1	4.00	8	0.43

Landscaping/Trail Construction	Rollers	1	6.00	80	0.38
Landscaping/Trail Construction	Rubber Tired Dozers	0	0.00	247	0.40
Landscaping/Trail Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Amenities	Cranes	0	0.00	231	0.29
Site Amenities	Forklifts	0	0.00	89	0.20
Site Amenities	Generator Sets	0	0.00	84	0.74
Site Amenities	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Amenities	Welders	0	0.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	ay		
Fugitive Dust					2.6749	0.0000	2.6749	0.4050	0.0000	0.4050			0.0000			0.0000
Off-Road	0.7910	7.8408	10.0525	0.0145		0.4398	0.4398		0.4046	0.4046		1,402.892 2	1,402.892 2	0.4537		1,414.235 3
Total	0.7910	7.8408	10.0525	0.0145	2.6749	0.4398	3.1146	0.4050	0.4046	0.8096		1,402.892 2	1,402.892 2	0.4537		1,414.235 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	Jay							lb/d	ау		
Fugitive Dust					1.0432	0.0000	1.0432	0.1580	0.0000	0.1580			0.0000			0.0000
Off-Road	0.7910	7.8408	10.0525	0.0145		0.4398	0.4398		0.4046	0.4046	0.0000	1,402.892 2	1,402.892 2	0.4537		1,414.235 3
Total	0.7910	7.8408	10.0525	0.0145	1.0432	0.4398	1.4830	0.1580	0.4046	0.5625	0.0000	1,402.892 2	1,402.892 2	0.4537		1,414.235 3

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e- 003		0.2236	0.2236		0.2057	0.2057		601.8002	601.8002	0.1946		606.6660
Total	0.3746	3.7916	4.5205	6.2100e- 003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057		601.8002	601.8002	0.1946		606.6660

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e- 003		0.2236	0.2236		0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660
Total	0.3746	3.7916	4.5205	6.2100e- 003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Fugitive Dust					0.1567	0.0000	0.1567	0.0197	0.0000	0.0197			0.0000			0.0000
Off-Road	1.7846	19.8547	13.7684	0.0326		0.7660	0.7660		0.7048	0.7048		3,153.420 6	3,153.420 6	1.0199		3,178.917 6
Total	1.7846	19.8547	13.7684	0.0326	0.1567	0.7660	0.9227	0.0197	0.7048	0.7245		3,153.420 6	3,153.420 6	1.0199		3,178.917 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
Fugitive Dust					0.0611	0.0000	0.0611	7.6800e- 003	0.0000	7.6800e- 003			0.0000			0.0000
Off-Road	1.7846	19.8547	13.7684	0.0326		0.7660	0.7660		0.7048	0.7048	0.0000	3,153.420 6	3,153.420 6	1.0199		3,178.917 6
Total	1.7846	19.8547	13.7684	0.0326	0.0611	0.7660	0.8271	7.6800e- 003	0.7048	0.7124	0.0000	3,153.420 6	3,153.420 6	1.0199		3,178.917 6

3.5 Infiltration Chamber Installation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	ay		
Off-Road	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868		1,160.538 9	1,160.538 9	0.3753		1,169.922 5
Total	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868		1,160.538 9	1,160.538 9	0.3753		1,169.922 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	ay		
Off-Road	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868	0.0000	1,160.538 9	1,160.538 9	0.3753		1,169.922 5
Total	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868	0.0000	1,160.538 9	1,160.538 9	0.3753		1,169.922 5

3.6 Drainage/Utilities/Sub-grade - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565		626.6786	626.6786	0.1970		631.6036
Total	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565		626.6786	626.6786	0.1970		631.6036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Off-Road	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565	0.0000	626.6786	626.6786	0.1970		631.6036
Total	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565	0.0000	626.6786	626.6786	0.1970		631.6036

3.6 Drainage/Utilities/Sub-grade - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288		626.8002	626.8002	0.1970		631.7262
Total	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288		626.8002	626.8002	0.1970		631.7262

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288	0.0000	626.8002	626.8002	0.1970		631.7262
Total	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288	0.0000	626.8002	626.8002	0.1970		631.7262

3.7 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107		37.8872	37.8872	3.9300e- 003		37.9856
Total	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107		37.8872	37.8872	3.9300e- 003		37.9856

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Off-Road	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107	0.0000	37.8872	37.8872	3.9300e- 003		37.9856
Total	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107	0.0000	37.8872	37.8872	3.9300e- 003		37.9856

3.8 Pervious Pavement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	ay		
Off-Road	0.1782	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780		394.4684	394.4684	0.1276		397.6579
Paving	0.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3289	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780		394.4684	394.4684	0.1276		397.6579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	0.1782	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780	0.0000	394.4684	394.4684	0.1276		397.6579
Paving	0.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3289	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780	0.0000	394.4684	394.4684	0.1276		397.6579

3.9 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	0.5435	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577		1,086.320 2	1,086.320 2	0.3513		1,095.103 7
Paving	0.1205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6640	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577		1,086.320 2	1,086.320 2	0.3513		1,095.103 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	ау		
Off-Road	0.5435	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577	0.0000	1,086.320 2	1,086.320 2	0.3513		1,095.103 7
Paving	0.1205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6640	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577	0.0000	1,086.320 2	1,086.320 2	0.3513		1,095.103 7

3.10 Landscaping/Trail Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3095	3.0957	3.7384	5.3200e- 003		0.1696	0.1696		0.1564	0.1564		509.0565	509.0565	0.1609		513.0778
Total	0.3095	3.0957	3.7384	5.3200e- 003	0.0000	0.1696	0.1696	0.0000	0.1564	0.1564		509.0565	509.0565	0.1609		513.0778

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3095	3.0957	3.7384	5.3200e- 003		0.1696	0.1696		0.1564	0.1564	0.0000	509.0565	509.0565	0.1609		513.0778
Total	0.3095	3.0957	3.7384	5.3200e- 003	0.0000	0.1696	0.1696	0.0000	0.1564	0.1564	0.0000	509.0565	509.0565	0.1609		513.0778

3.11 Site Amenities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	ay		
Off-Road	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Mitigated Co	onstructio	on On-S	ite													
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	ay		
Off-Road	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Total	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746

Page 1 of 1

Wingate Park Regional EWMP - South Coast Air Basin, Summer

Wingate Park Regional EWMP South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.15	Acre	1.15	50,094.00	0
City Park	2.35	Acre	2.35	102,366.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)						
Climate Zone	9	Operational Year								
Utility Company										
CO2 Intensity (Ib/MWhr)	702.44	CH4 Intensity (Ib/MWhr)	0.029	N2O Intensity 0 (Ib/MWhr)	0.006					

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Construction Phase - Client given construction schedule Off-road Equipment - Client given construction schedule Demolition - Client given construction schedule Grading - Client given construction schedule Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteri	100	0
tblAreaMitigation		100	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorV	50	0
tblAreaMitigation		50	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	230.00	45.00
tblConstructionPhase	NumDays	230.00	60.00
tblConstructionPhase	NumDays	230.00	15.00
tblConstructionPhase	NumDays	8.00	40.00
tblConstructionPhase	NumDays	8.00	135.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	18.00	25.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	AcresOfGrading	20.00	3.50
tblGrading	MaterialExported	0.00	22,600.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
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2.0 Emissions Summary

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2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day											lb/d	ay			
2021	2.3842	38.2074	18.3766	0.0884	3.0024	0.8244	3.4529	0.4938	0.7605	1.1627	0.0000	9,204.379 2	9,204.379 2	1.4391	0.0000	9,240.356 7
2022	0.8229	7.2230	9.0268	0.0224	0.9648	0.2808	1.2345	0.2595	0.2583	0.5082	0.0000	2,249.650 5	2,249.650 5	0.3535	0.0000	2,257.603 4

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day											lb/d	ay			
2021	2.3842	38.2074	18.3766	0.0884	1.4623	0.8244	2.2867	0.3902	0.7605	1.1507	0.0000	9,204.379 2	9,204.379 2	1.4391	0.0000	9,240.356 7
2022	0.8229	7.2230	9.0268	0.0224	0.9648	0.2808	1.2345	0.2595	0.2583	0.5082	0.0000	2,249.650 5	2,249.650 5	0.3535	0.0000	2,257.603 4

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.82	0.00	24.88	13.75	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00
3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/7/2021	7/2/2021	5	20	
2	Site Preparation	Site Preparation	7/5/2021	7/23/2021	5	15	
3	Grading	Grading	7/25/2021	9/17/2021	5	40	
4	Infiltration Chamber Installation	Building Construction	9/18/2021	12/10/2021	5	60	
5	Drainage/Utilities/Sub-grade	Trenching	12/11/2021	3/11/2022	5	65	
6	Foundations/Concrete Pour	Building Construction	3/12/2022	4/2/2022	5	15	
7	Pervious Pavement	Paving	4/3/2022	4/29/2022	5	20	
8	Paving	Paving	4/30/2022	6/3/2022	5	25	
9	Landscaping/Trail Construction	Grading	6/4/2022	12/11/2022	5	135	
10	Site Amenities	Building Construction	7/11/2022	9/9/2022	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.5

Acres of Paving: 1.15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	0	0.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	2	8.00	158	0.38

Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	255	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Cement and Mortar Mixers	1	6.00	9	0.56
Foundations/Concrete Pour	Cranes	0	0.00	226	0.29
Foundations/Concrete Pour	Forklifts	0	0.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	0.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Foundations/Concrete Pour	Welders	0	0.00	46	0.45
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Drainage/Utilities/Sub-grade	Air Compressors	0	0.00	78	0.48
Drainage/Utilities/Sub-grade	Excavators	1	6.00	158	0.38
Drainage/Utilities/Sub-grade	Plate Compactors	1	6.00	8	0.43
Drainage/Utilities/Sub-grade	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Infiltration Chamber Installation	Cranes	1	8.00	231	0.29
Infiltration Chamber Installation	Forklifts	0	0.00	89	0.20
Infiltration Chamber Installation	Generator Sets	0	0.00	84	0.74
Infiltration Chamber Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Infiltration Chamber Installation	Welders	0	0.00	46	0.45
Pervious Pavement	Cement and Mortar Mixers	0	0.00	9	0.56
Pervious Pavement	Pavers	0	0.00	130	0.42
Pervious Pavement	Paving Equipment	1	8.00	132	0.36
Pervious Pavement	Rollers	0	0.00	80	0.38
Pervious Pavement	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Landscaping/Trail Construction	Excavators	0	0.00	158	0.38
Landscaping/Trail Construction	Graders	0	0.00	187	0.41
Landscaping/Trail Construction	Plate Compactors	1	4.00	8	0.43

Landscaping/Trail Construction	Rollers	1	6.00	80	0.38
Landscaping/Trail Construction	Rubber Tired Dozers	0	0.00	247	0.40
Landscaping/Trail Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Amenities	Cranes	0	0.00	231	0.29
Site Amenities	Forklifts	0	0.00	89	0.20
Site Amenities	Generator Sets	0	0.00	84	0.74
Site Amenities	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Amenities	Welders	0	0.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					2.6749	0.0000	2.6749	0.4050	0.0000	0.4050			0.0000			0.0000
Off-Road	0.7910	7.8408	10.0525	0.0145		0.4398	0.4398		0.4046	0.4046		1,402.892 2	1,402.892 2	0.4537		1,414.235 3
Total	0.7910	7.8408	10.0525	0.0145	2.6749	0.4398	3.1146	0.4050	0.4046	0.8096		1,402.892 2	1,402.892 2	0.4537		1,414.235 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					1.0432	0.0000	1.0432	0.1580	0.0000	0.1580			0.0000			0.0000
Off-Road	0.7910	7.8408	10.0525	0.0145		0.4398	0.4398		0.4046	0.4046	0.0000	1,402.892 2	1,402.892 2	0.4537		1,414.235 3
Total	0.7910	7.8408	10.0525	0.0145	1.0432	0.4398	1.4830	0.1580	0.4046	0.5625	0.0000	1,402.892 2	1,402.892 2	0.4537		1,414.235 3

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e- 003		0.2236	0.2236		0.2057	0.2057		601.8002	601.8002	0.1946		606.6660
Total	0.3746	3.7916	4.5205	6.2100e- 003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057		601.8002	601.8002	0.1946		606.6660

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	ay		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e- 003		0.2236	0.2236		0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660
Total	0.3746	3.7916	4.5205	6.2100e- 003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Fugitive Dust					0.1567	0.0000	0.1567	0.0197	0.0000	0.0197			0.0000			0.0000
Off-Road	1.7846	19.8547	13.7684	0.0326		0.7660	0.7660		0.7048	0.7048		3,153.420 6	3,153.420 6	1.0199		3,178.917 6
Total	1.7846	19.8547	13.7684	0.0326	0.1567	0.7660	0.9227	0.0197	0.7048	0.7245		3,153.420 6	3,153.420 6	1.0199		3,178.917 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Fugitive Dust					0.0611	0.0000	0.0611	7.6800e- 003	0.0000	7.6800e- 003			0.0000			0.0000
Off-Road	1.7846	19.8547	13.7684	0.0326		0.7660	0.7660		0.7048	0.7048	0.0000	3,153.420 6	3,153.420 6	1.0199		3,178.917 6
Total	1.7846	19.8547	13.7684	0.0326	0.0611	0.7660	0.8271	7.6800e- 003	0.7048	0.7124	0.0000	3,153.420 6	3,153.420 6	1.0199		3,178.917 6

3.5 Infiltration Chamber Installation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	ay		
Off-Road	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868		1,160.538 9	1,160.538 9	0.3753		1,169.922 5
Total	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868		1,160.538 9	1,160.538 9	0.3753		1,169.922 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868	0.0000	1,160.538 9	1,160.538 9	0.3753		1,169.922 5
Total	0.7875	8.6410	6.5033	0.0120		0.4204	0.4204		0.3868	0.3868	0.0000	1,160.538 9	1,160.538 9	0.3753		1,169.922 5

3.6 Drainage/Utilities/Sub-grade - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565		626.6786	626.6786	0.1970		631.6036
Total	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565		626.6786	626.6786	0.1970		631.6036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Off-Road	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565	0.0000	626.6786	626.6786	0.1970		631.6036
Total	0.3424	3.2254	4.3069	6.5700e- 003		0.1695	0.1695		0.1565	0.1565	0.0000	626.6786	626.6786	0.1970		631.6036

3.6 Drainage/Utilities/Sub-grade - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288		626.8002	626.8002	0.1970		631.7262
Total	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288		626.8002	626.8002	0.1970		631.7262

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	lay		
Off-Road	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288	0.0000	626.8002	626.8002	0.1970		631.7262
Total	0.3054	2.7779	4.2777	6.5700e- 003		0.1394	0.1394		0.1288	0.1288	0.0000	626.8002	626.8002	0.1970		631.7262

3.7 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107		37.8872	37.8872	3.9300e- 003		37.9856
Total	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107		37.8872	37.8872	3.9300e- 003		37.9856

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Off-Road	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107	0.0000	37.8872	37.8872	3.9300e- 003		37.9856
Total	0.0441	0.2761	0.2313	5.3000e- 004		0.0107	0.0107		0.0107	0.0107	0.0000	37.8872	37.8872	3.9300e- 003		37.9856

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0660	2.2741	0.5504	6.2600e- 003	0.1600	4.2500e- 003	0.1642	0.0461	4.0700e- 003	0.0501		670.9256	670.9256	0.0404		671.9360
Worker	0.2513	0.1578	2.2222	6.8500e- 003	0.7154	5.1400e- 003	0.7205	0.1897	4.7400e- 003	0.1945		683.0484	683.0484	0.0173		683.4799
Total	0.3173	2.4319	2.7726	0.0131	0.8753	9.3900e- 003	0.8847	0.2358	8.8100e- 003	0.2446		1,353.974 0	1,353.974 0	0.0577		1,355.416 0

3.8 Pervious Pavement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	ay		
Off-Road	0.1782	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780		394.4684	394.4684	0.1276		397.6579
Paving	0.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3289	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780		394.4684	394.4684	0.1276		397.6579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	0.1782	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780	0.0000	394.4684	394.4684	0.1276		397.6579
Paving	0.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3289	1.7377	2.5460	4.0800e- 003		0.0848	0.0848		0.0780	0.0780	0.0000	394.4684	394.4684	0.1276		397.6579

3.9 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	0.5435	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577		1,086.320 2	1,086.320 2	0.3513		1,095.103 7
Paving	0.1205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6640	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577		1,086.320 2	1,086.320 2	0.3513		1,095.103 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	ay		
Off-Road	0.5435	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577	0.0000	1,086.320 2	1,086.320 2	0.3513		1,095.103 7
Paving	0.1205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6640	5.4817	7.1793	0.0112		0.2801	0.2801		0.2577	0.2577	0.0000	1,086.320 2	1,086.320 2	0.3513		1,095.103 7

3.10 Landscaping/Trail Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3095	3.0957	3.7384	5.3200e- 003		0.1696	0.1696		0.1564	0.1564		509.0565	509.0565	0.1609		513.0778
Total	0.3095	3.0957	3.7384	5.3200e- 003	0.0000	0.1696	0.1696	0.0000	0.1564	0.1564		509.0565	509.0565	0.1609		513.0778

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day							
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3095	3.0957	3.7384	5.3200e- 003		0.1696	0.1696		0.1564	0.1564	0.0000	509.0565	509.0565	0.1609		513.0778
Total	0.3095	3.0957	3.7384	5.3200e- 003	0.0000	0.1696	0.1696	0.0000	0.1564	0.1564	0.0000	509.0565	509.0565	0.1609		513.0778

3.11 Site Amenities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Total	0.1647	1.6756	2.2379	3.1100e- 003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746

Appendix B Biological Resources Memorandum





2121 Alton Parkway Suite 100 Irvine, CA 92606 949.753.7001 phone 949.753.7002 fax

December 23, 2020

Sharon Gallant, Environmental Services Manager City of Covina Public Works Department 125 E. College Avenue Covina, CA 91723

Subject: Habitat assessment and biological survey results for the Wingate Park Regional Enhanced Watershed Management Plan Project, City of Covina, Los Angeles County, California.

Dear Ms. Gallant:

This letter report summarizes the results of a biological survey and habitat assessment conducted by Environmental Science Associates (ESA) for the Wingate Park Regional Enhanced Watershed Management Plan Project (Project). This report describes the existing biological conditions and resources within the Project Site, and provides avoidance, minimization and mitigation measures for sensitive species located on Site. Representative photographs of the Project Site are included as an attachment.

Project Description and Location

Wingate Park (formerly Kahler Russell Park) is located at 735 N. Glendora Avenue in the City of Covina, California (APN 8428-015-906 and 8428-023-901). The Project Site is located within the U.S. Geological Survey (USGS) San Dimas, California 7.5-minute topographic quadrangle at an elevation of approximately 650 feet above mean sea level. Wingate Park includes a playground, sports fields, parking and picnic tables, and is surrounded by commercial and industrial development on the north and residential development to the east, west and south. Wingate Park can be accessed from the west via North Grand Street or from the east via North Glendora Avenue.

The Project would consist of an underground stormwater vault that would capture and infiltrate water from Charter Oak Creek which is comprised of runoff collected from the residential area to the northeast of Wingate Park. Water from Charter Oak Creek would first be diverted to a pre-treatment system, and then to an underground infiltration vault. Treated water would infiltrate into the ground water for recharge, or be directed back to the wash via a catch basin connection if the vault is full. The Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek.



December 23, 2020 Page 2

Methods

Literature Review

Prior to conducting a site visit, ESA conducted a query of available resource inventory databases to analyze the potential for sensitive species to occur within the study area. These databases included the California Department of Fish and Wildlife (CDFW) California Natural Diversity Data Base (CNDDB) (CDFW 2020a) and the California Native Plant Society (CNPS) Rare Plant Inventory. These queries for special-status species focused on records within the San Dimas USGS 7.5-minute quadrangle, and the eight surrounding quadrangles including: Baldwin Park, Ontario, Azusa, Glendora, Mt. Baldy, La Habra, Yorba Linda, and Prado Dam. ESA also queried the United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation System (IPaC) (USFWS 2020a), Critical Habitat Portal (USFWS 2020b) and National Wetlands Inventory (NWI) to assess whether federally-listed, or otherwise sensitive species or wetlands are expected within the vicinity, and/or whether the Project Site is located within or near designated critical habitat for listed species. This information was used to create a list of special-status species and sensitive natural plant communities that have been recorded in the vicinity of the study area. The results of the literature review are provided in **Attachment A**. The following available studies prepared for other projects located within the immediate vicinity of the study area were also reviewed:

• Los Angeles County Flood Control District (LACFCD) EWMP PEIR

Biological Survey and Habitat Assessment

ESA biologist, Karla Flores, conducted a biological survey and habitat assessment on November 5, 2020. The survey consisted of walking transects throughout the Project Site to characterize the habitat and determine the potential for special-status plants and wildlife to occur. All incidental visual observations of flora and fauna, including sign (e.g. scat, tracks) as well as auditory detections, were noted during the site visit and are described in further detail below. Weather conditions during the survey are described in Table 1.

Tempera	ture (°E)	Wind ((mph)		
Start	End	Start	End	Start	End
80.5	83.2	1.2	0.6	75	50

Table 1 Weather Conditions

Results

This section describes the existing conditions of the Project Site and the results of the biological survey and habitat assessment.



December 23, 2020 Page 3

Vegetation Communities and Land Cover Types

The Project Site consists of two main land uses: developed/ornamental and disturbed riparian. The northern portion of Wingate Park consists primarily of developed/ornamental land use, while the southern portion of the Project Site consists of a disturbed riparian zone.

Developed/Ornamental

Developed/ornamental landscaping comprises the majority of the Project Site and includes a parking lot, sports fields, playground and picnic tables. A mix of ornamental and native tree species are scattered throughout. Native trees include coast live oak (*Quercus agrifolia*), and non-native trees include London plane (*Platanus x acerifolia*), sweetgum (*Liquidambar styraciflua*), Italian stone pine (*Pinus pinea*) and Canary Island pine (*Pinus canariensis*).

Disturbed Riparian Woodland

The southern portion of the Project Site consists of a mix of native and non-native riparian plants and encompasses a small portion of Charter Oak Creek. Native tree and shrub species in this portion of the Site include coast live oak (*Quercus agrifolia*), black willow (*Salix gooddingii*), Fremont cottonwood (*Populus fremontii*), and mulefat (*Baccharis salicifolia*). Non-native tree species in this portion of the Site include Peruvian pepper tree (*Schinus molle*), California fan palm (*Washingtonia filifera*), Canary Island date palm (*Phoenix canariensis*), shamel ash (*Fraxinus uhdei*), tree—of-heaven (*Ailanthus altissima*), and eucalyptus (*Eucalyptus* sp.). The understory consists of a mix non-native grasses and forbs including: wild radish (*Raphanus raphanistrum*), ripgut brome (*Bromus diandrus*), and slender oat (*Avena barbata*).

Jurisdictional Resources

Charter Oak Creek traverses the southern portion of Wingate Park and is immediately south of the Project Site. The Creek may be a jurisdictional feature subject to regulation under the Clean Water Act and Section 1600 et seq. of the California Fish and Game Code (FGC), because it connects to the San Gabriel River. A formal jurisdictional delineation was not performed for this Project during the biological survey site visit.

Special-Status Plants

No special status plants were found within the Project Site.

Special-Status Wildlife

No special-status wildlife species were observed during the reconnaissance survey. However, based on the vegetation communities observed during the site visit, four special status wildlife species have a medium potential to occur within the Project Site, one of which is federally and state listed. These include the pallid bat



December 23, 2020 Page 4

(Antrozous pallidus), Yuma myotis (Myotis yumanensis), least Bell's vireo (Vireo bellii ssp. pusillus), and yellow warbler (Setophaga petechia).

Wildlife Movement

Charter Oak Creek conveys water through a series of soft-bottomed and concrete-lined channels downstream of the Project Site before reaching the San Gabriel River. As the channel is partially or mostly dry for a large portion of the year, this channel may serve as a movement corridor for medium and large mammals and other wildlife as well as nesting birds and roosting bats.

Critical Habitat

The Project Site does not occur within a designated critical habitat area for any special status species.

Common Wildlife

Avian species observed during the biological survey include: Cedar waxwing (*Bombycilla cedrorum*), black phoebe (*Sayornis nigricans*), white-crowned sparrow (*Zonotrichia leucophrys*), yellow-rumped warbler (*Setophaga coronata*), lesser goldfinch (*Spinus psaltria*), American crow (*Corvus brachyrhynchos*), house finch (*Haemorhous mexicanus*), Pacific-slope flycatcher (*Empidonax difficilis*), song sparrow (*Melospiza melodia*), northern mockingbird (*Mimus polyglottos*), house sparrow (*Passer domesticus*), Anna's hummingbird (*Calypte anna*), bushtit (*Psaltriparus minimus*), red-shouldered hawk (*Buteo lineatus*), and scaly breasted munia (*Lonchura punctulata*). One mammal species, California ground squirrel (*Otospermophilus beecheyi*), was also observed during the survey.

Project Impacts

Riparian Communities

Disturbed riparian woodland vegetation is present along Charter Oak Creek and the Project Site encompasses a small portion of that riparian vegetation. The installation of connective infrastructure including a permanent grated drop inlet to divert flows to the underground vault could result in direct impacts to the riparian community by removing of some riparian vegetation in the immediate vicinity of the inlet.

Indirect impacts related to reduced water flow as a result of inlet diversion will be avoided since the Project would be designed and constructed to allow the necessary amount of dry-weather runoff to bypass the proposed diversion structure to be located within the channel in order to sustain the existing level of habitat and vegetation located within and along Charter Oak Creek.



December 23, 2020 Page 5

Jurisdictional resources

Charter Oak Creek is potentially a jurisdictional feature that could be regulated under the Clean Water Act and Section 1600 et seq. of the California Fish and Game Code (FGC). Based on the current design, direct impacts (e.g. reduced flow) to Charter Oak Creek are expected to occur associated with tree removal and excavation.

Special-Status Wildlife

Special-Status Birds

No special status species were detected during this survey. However, potential habitat for the least Bell's vireo and yellow warbler exists along Charter Oak Creek. If present, these species may nest in the native scrub and riparian habitats within the Project Site. These species may be disrupted by tree removal, grading activities, and/or staging of equipment and materials associated with Project construction, and potential impacts would be the same as those discussed for nesting birds and raptors, above. Protocol surveys for the least Bell's vireo would need to be conducted to determine if present and if they would be impacted by the Project.

Special-Status Mammals

The pallid bat and the Yuma myotis may occur in the riparian habitats within the Project Site. Further surveys would be need to determine their presence. If present, these species may be affected through the direct mortality of individuals and/or the disruption of breeding activities as a result of tree removal, grading activities, and/or material and equipment staging associated with the Project.

Critical Habitat

Critical habitat is not present within the study area; therefore, no impacts to critical habitat will occur.

Wildlife Movement Corridors

Charter Oak Creek is bounded by residential development on the east, west and south and commercial development on the north. Because the Creek connects the San Gabriel River, the Project may disrupt wildlife movement during construction but will not permanently affect wildlife movement in the area.

Nesting Birds and Raptors

Nesting birds may be disrupted by tree removal, grading/excavating activities, and/or the staging of equipment and materials associated with Project construction. Tree removal and ground disturbance could result in direct mortality or injury to nesting birds, young, or eggs. Disruption of nesting activities could result in nest abandonment or nest failure.



December 23, 2020 Page 6

Protected trees

Two species of oak occur within the Project Site, the coast live oak (*Quercus agrifolia*) and the Holly Oak (*Quercus ilex*). Although the Holly Oak is a non-native species, the City of Covina Municipal Code protects "Heritage Trees" which include all Quercus species with a DBH greater than 10-inches. Both oak species would potentially be impacted if tree removal is needed to complete excavation activities in that portion of the Site.

Habitat Conservation Plan

The Project Site does not occur within the boundaries of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

Avoidance, Minimization and Mitigation Measures

The avoidance, minimization, and mitigation (AMM) measures below are recommended to avoid, minimize, or mitigate the potential impacts to biological resources discussed above.

General Minimization and Avoidance Measures

- 1. Prior to the commencement of construction activities, construction personnel shall check under stationary equipment to ensure no wildlife species are present.
- 2. All trash shall be collected daily and taken off-site for proper disposal. Food trash shall be disposed of in a trash bag or trash container with a lid, and the container emptied daily.
- 3. Erosion control measures (silt fencing, straw wattles, etc.) should be implemented within the work area to prevent sediment from entering any waterways. All straw wattles on site shall be constructed with biodegradable materials (i.e. burlap), not monofilament mesh, to prevent animal entrapment.
- 4. Drip pans should be placed underneath all mechanical machinery that will be staged within work areas during the construction period.
- 5. Prior to Project implementation, a Workers Environmental Awareness Program (WEAP) shall be prepared and presented to construction crews regarding all sensitive resources with the potential to occur on-site during construction activities. The WEAP training should concentrate on the proper identification of sensitive resources while in the field, suggested strategies to avoid impacts to sensitive resources, and proper reporting methods for field crews, in the event that sensitive resources are observed during construction activities.

Riparian Communities

Project activities such as the installation of connective infrastructure including a permanent grated drop inlet to divert flows to the underground vault could result in removal of some riparian vegetation in the immediate vicinity of the inlet. The riparian vegetation in this area has low habitat value since it is located within a



December 23, 2020 Page 7

developed park. However, implementation of mitigations requiring restoration of the bank to encourage recruitment of native vegetation in the affected areas will ensure that any habitat values are not further reduced.

1. Temporary impacts to native riparian vegetation associated with construction will be restored to preproject conditions (i.e., pre-project contours and revegetated with native species).

Jurisdictional Resources

- 1. Prior to work activities, a jurisdictional delineation report will be prepared to determine whether Charter Oak Creek is subject to regulation by federal and state agencies.
- 2. Prior to activities that would result in the discharge of fill or dredged material within waters of the U.S., a Section 404 CWA permit shall be obtained from the USACE and a Section 401 WQC shall be obtained from the Los Angeles RWQCB. Prior to activities within streams or associated wetland or riparian habitat, a streambed alteration agreement shall be obtained from CDFW pursuant to Section 1600 et seq. of the Fish and Game Code.

Nesting Birds

Project activities could negatively impact nesting birds that are protected in accordance with the MBTA and Fish and Game Code. Therefore, the following measure shall be implemented in order to avoid potential impacts to nesting birds:

- 1. If work activities occur within the bird nesting season (generally defined as January 15 through September 15), a qualified biologist shall conduct a nesting bird survey within 30 days of the anticipated start date, and no less than 3 days prior to ground disturbance, to identify any active nests within 500 feet of the development footprint. If an active nest is found, the nest shall be avoided and a suitable buffer zone shall be delineated in the field where no impacts should occur until the chicks have fledged (left the nest), as determined by a qualified biologist. Construction buffers shall be 300 feet for passerines (perching birds) or up to 500 feet for raptors; however, avoidance buffers may be reduced at the discretion of the biologist, depending on the location of the nest and species' tolerance to human presence and construction-related noises and vibrations.
- 2. To avoid impacts to nesting least Bell's vireo, work activities within 500 feet of suitable nesting habitat shall be timed to avoid the season when nests may be active for this species (March 15 to September 15). If avoidance of work activities within this time period is not feasible, a USFWS protocol survey for least Bell's vireo should be conducted within suitable nesting habitat the season prior to initiation of work activities, to determine their presence or absence within 500 feet of proposed work limits. In accordance with the USFWS survey protocol, surveys shall consist of eight site visits conducted 10 days apart during the period of April 10 to July 31. The results shall be submitted in a report to the USFWS.

If the focused surveys do not indicate the presence of least Bell's vireo, no further mitigation is required. A negative finding is considered valid until the following breeding season. Additional surveys shall be



December 23, 2020 Page 8

required each year that work is conducted in least Bell's vireo breeding habitat during the breeding season.

If focused surveys indicate the presence of least Bell's vireo, a formal Endangered Species Act consultation with the USFWS shall occur prior to disturbance of this species or its habitat.

If occupied habitat and/or nesting individuals are determined to be present based on the focused survey, and work cannot be avoided during the nesting season, a preconstruction clearance survey shall be performed by a qualified biologist within 7 days prior to work activities to determine the approximate location of nesting territories within 500 feet of work areas. Surveys shall be conducted by a biologist approved by the USFWS and CDFW for conducting least Bell's vireo nest surveys, or by a biologist with least Bell's vireo survey experience, so long as the nest is not approached and/or disturbed. If a nest is detected or active breeding is determined, work shall halt within 500 feet of the nesting territory, and the area shall be monitored on a weekly basis until a qualified biologist determines the nest is no longer active and the young have fledged.

Mammals

- 1. Prior to commencement of construction activities, a qualified biologist shall conduct a pre-construction clearance survey throughout the Project impact area where ground-disturbing activities are proposed, including a 300-foot buffer in areas where bat roosting may occur. If bats are determined to be roosting, the biologist shall determine whether a day roost (non-breeding) or maternity roost (lactating females and dependent young) is present. If a day roost is determined to be present within areas surveyed, the biologist shall ensure that direct mortality to roosting individuals will not occur. If a maternity roost is determined to be present within 300 feet from the work areas, a qualified biologist shall determine whether construction activities are likely to disturb breeding activities.
- 2. If direct disturbance to the maternity roost could occur, a Bat Exclusion Plan shall be prepared in consultation with CDFW and implemented. At a minimum, the plan shall include avoidance and minimization measures to reduce potential impacts to breeding bats during construction activities and prescribed methods to safely and humanely evict bats from the roost to minimize any potential impacts.

Protected Trees

In accordance with the City of Covina Municipal Code Chapter 17.83, a tree removal permit shall be required for the removal of any "Heritage Trees" including all *Quercus* species with a DBH of 10-inches or greater and trees deemed as "Heritage Trees" by city council pursuant to CMC17.83.150.

References

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December 23, 2020 Page 9

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- U.S. Fish and Wildlife Service (USFWS). 2020a. IPAC Information for Planning and Consultation. Accessed at https://ecos.fws.gov/ipac/
- U.S. Fish and Wildlife Service (USFWS). 2020b. Critical Habitat Portal. Accessed at http://ecos.fws.gov/crithab/.

Sincerely,

Korla I. fl-

Karla L. Flores Senior Biologist

Attachment A: Literature Review Results Attachment B: Photo Log

Patrick Tennant

Pat Tennant Director

Appendix C Cultural Resources Memorandum (Confidential – Not for Public Distribution)



Appendix D Energy Assumptions Modeling



Wingate Park Regional EWMP

Total On-Road Fuel Consumption

		gal/mile	gal/min
	2020Hauling Hauling	0.15925199	1.51441E-05
	2020Vendor Vendor	0.1298909	9.15757E-06
	2020Worker Worker	0.03844702	1.94905E-06
	2021Hauling Hauling	0.15613658	1.50968E-05
	2021Vendor Vendor	0.12720883	9.12128E-06
	2021Worker Worker	0.03742093	2.06198E-06
	2022Hauling Hauling	0.15194685	1.49226E-05
	2022Vendor Vendor	0.12346263	8.98135E-06
	2022Worker Worker	0.03636982	2.00421E-06
	2023Hauling Hauling	0.14312318	1.42709E-05
	2023Vendor Vendor	0.11698571	8.58941E-06
	2023Worker Worker	0.03532451	1.94677E-06
1			

Source	Fuel Type	Total Fuel Use (gal)		
Hauling	Diesel	2,295		
Vendor	Diesel	2,593		
Worker	Gasoline	5,480		

Fuel Type	Total Fuel Use	Annual Fuel Use			
Diesel	4,889	3,286			
Gasoline	5,480	3,684			

Duration of	Construction
1.5	years

	Daily	Haul Days	Work Hours	One-Way			Regi	onal Emissions	
Construction Phase	One-Way	per Phase	per Day	Trip Distance	Idling			(gallons)	
	Trips			per Day	per Day				
		(days)	(hours/day)	(miles)	(minutes)	gal/mile	gal/min	gal/day	Total Gallons
Demolition	2021								
Total Haul Trips	116								
Hauling	6	20	8	4.9	15	0.16	1.51E-05	5	92
Vendor	6	20	8	6.9	15	0.13	9.12E-06	5	105
Worker	20	20	8	14.7	0	0.04	2.06E-06	11	220
Site Preparation	2021								
Total Haul Trips	0								
Hauling	0	6	8	4.9	15	0.16	1.51E-05	0	0
Vendor	6	6	8	6.9	15	0.13	9.12E-06	5	32
Worker	24	6	8	14.7	0	0.04	2.06E-06	13	79
Grading	2021								
Total Haul Trips	2825								
Hauling	72	40	8	4.9	15	0.16	1.51E-05	55	2,203
Vendor	0	40	8	6.9	15	0.13	9.12E-06	0	0
Worker	18	40	8	14.7	0	0.04	2.06E-06	10	396
Infiltration Chamber Installation	2021								
Total Haul Trips	0								
Hauling	0	60	8	4.9	15	0.16	1.51E-05	0	0
Vendor	25	60	8	6.9	15	0.13	9.12E-06	22	1,317
Worker	32	60	8	14.7	0	0.04	2.06E-06	18	1,056
Drainage/Utilities/Sub-Grade	2021								
Total Haul Trips	0								
Hauling	0	20	8	4.9	15	0.16	1.51E-05	0	0
Vendor	0	20	8	6.9	15	0.13	9.12E-06	0	0
Worker	24	20	8	14.7	0	0.04	2.06E-06	13	264
Drainage/Utilities/Sub-Grade	2022								
Total Haul Trips	0								
Hauling	0	45	8	4.9	15	0.15	1.49E-05	0	0
Vendor	0	45	8	6.9	15	0.12	8.98E-06	0	0
Worker	24	45	8	14.7	0	0.04	2.00E-06	13	577

Wingate Park Regional EWMP

Total On-Road Fuel Consumption

	gal/mile	gal/min
2020Hauling Hauling	0.15925199	1.51441E-05
2020Vendor Vendor	0.1298909	9.15757E-06
2020Worker Worker	0.03844702	1.94905E-06
2021Hauling Hauling	0.15613658	1.50968E-05
2021Vendor Vendor	0.12720883	9.12128E-06
2021Worker Worker	0.03742093	2.06198E-06
2022Hauling Hauling	0.15194685	1.49226E-05
2022Vendor Vendor	0.12346263	8.98135E-06
2022Worker Worker	0.03636982	2.00421E-06
2023Hauling Hauling	0.14312318	1.42709E-05
2023Vendor Vendor	0.11698571	8.58941E-06
2023Worker Worker	0.03532451	1.94677E-06

Source	Fuel Type	Total Fuel Use (gal)		
Hauling	Diesel	2,295		
Vendor	Diesel	2,593		
Worker	Gasoline	5,480		

Fuel Type	Total Fuel Use	Annual Fuel Use			
Diesel	4,889	3,286			
Gasoline	5,480	3,684			

Duration of Construction 1.5 years

	Daily	Haul Days	Work Hours	One-Way			Regi	onal Emissions	
Construction Phase	One-Way	per Phase	per Day	Trip Distance	Idling			(gallons)	
	Trips			per Day	per Day				
		(days)	(hours/day)	(miles)	(minutes)	gal/mile	gal/min	gal/day	Total Gallons
Foundations/Concrete Pour	2022								
Total Haul Trips	0								
Hauling	0	15	8	4.9	15	0.15	1.49E-05	0	0
Vendor	2	4	8	6.9	15	0.12	8.98E-06	2	7
Worker	24	15	8	14.7	0	0.04	2.00E-06	13	192
Paving	2022								
Total Haul Trips	0								
Hauling	0	25	8	4.9	15	0.15	1.49E-05	0	0
Vendor	46	25	8	6.9	15	0.12	8.98E-06	39	980
Worker	20	25	8	14.7	0	0.04	2.00E-06	11	267
Pervious Pavement	2022								
Total Haul Trips	0								
Hauling	0	20	8	4.9	15	0.15	1.49E-05	0	0
Vendor	0	20	8	6.9	15	0.12	8.98E-06	0	0
Worker	20	20	8	14.7	0	0.04	2.00E-06	11	214
Landscaping/Trail Construction	2022								
Total Haul Trips	0								
Hauling	0	135	8	4.9	15	0.15	1.49E-05	0	0
Vendor	0	135	8	6.9	15	0.12	8.98E-06	0	0
Worker	24	135	8	14.7	0	0.04	2.00E-06	13	1,732
Site Amenities	2022								
Total Haul Trips	0								
Hauling	0	45	8	4.9	15	0.15	1.49E-05	0	0
Vendor	4	45	8	6.9	15	0.12	8.98E-06	3	153
Worker	20	45	8	14.7	0	0.04	2.00E-06	11	481

Wingate Park Regional EWMP Construction Energy Analysis

Fuel Consumption Summary

Category	Value
Diesel fuel for heavy-duty construction equipment	20,177
Diesel fuel for Haul Trucks	2,295
Diesel fuel for Vendor Trucks	2,593
Gasoline fuel for workers	5,480
Total Diesel Consumption	25,066
Total Gasoline Consumption	5,480
Construction Phase Duration (years)	1.5
Annual Average Gallons Diesel	16,574
Annual Average Gallons Gasoline	3,624

Source	Diesel	Gas		
Off-Road Equipment	20,177	-		
Haul/Vendor	4,889	-		
Worker	-	5,480		
Total Project Fuel Consumption	25,066	5,480		
Annual Average Gallons Diesel	16,574			
Annual Average Gallons Gasoline		3,624		
	Los Angeles County Fuel Consumption		State Fuel Co	onsumption
	Diesel	Gas	Diesel	Gas
	584,745,763	3,559,000,000	3,720,338,983	15,365,000,000
Annual Project % of Consumption	0.003%	0.0001%	0.0004%	0.0000%

1. California Energy Commission, California Retail Fuel Outlet Annual Reporting (CEC-A15) Results, 2019 https://www.energy.ca.gov/media/3874

Diesel is adjusted to account for retail (47.2%) and non-retail (52.8%) diesel sales.

Wingate Park Regional EWMP Construction Energy Analysis

Off-Road Equipment

Equipment ≤ 100 HP

	Parameter	Value	
pounds diesel fuel/hp-hr (lb/hp-hr): ¹		0.41	
diesel fuel density (lb/gal): ¹		7.11	
diesel gallons/hp-hr (gal/hp-hr):		0.06	
Total hp-hr :		169,022	
Total diesel consumption (gal):		9,701	

Equipment > 100 HP

Parameter	Value
pounds diesel fuel/hp-hr (lb/hp-hr): ¹	0.37
diesel fuel density (lb/gal): ¹	7.11
diesel gallons/hp-hr (gal/hp-hr):	0.05
Total hp-hr:	202,936
Total diesel gallons:	10,477

Total diesel gallons (off-road equipment):

1. 2017 Off-road Diesel Emission Factors, cells B30 and B31

Phase	Equipment	# of Equipment	Hours/ Day	HP	Load Factor	Days	Total hp-hr
Demolition	Excavators	1	8	158	0.38	20	9,606
Demolition	Tractors/Loaders/Backhoes	3	8	97	0.37	20	17,227
Site Preparation	Tractors/Loaders/Backhoes	2	8	97	0.37	15	8,614
Grading	Excavators	2	8	158	0.38	40	38,426
Grading	Graders	1	8	187	0.41	40	24,534
Grading	Rubber Tired Loaders	2	8	203	0.36	40	46,771
Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	40	11,485
Infiltration Chamber Installation	Cranes	1	8	231	0.29	60	32,155
Infiltration Chamber Installation	Tractors/Loaders/Backhoes	2	8	97	0.37	60	34,454
Drainage/Utilities/Sub-Grade	Excavators	1	6	158	0.38	65	23,416
Drainage/Utilities/Sub-Grade	Plate Compactors	1	6	8	0.43	65	1,342
Drainage/Utilities/Sub-Grade	Tractors/Loaders/Backhoes	1	6	97	0.37	65	13,997
Foundation/Concrete Pour	Cement and Mortar Mixers	1	6	9	0.56	15	454
Pervious Pavement	Paving Equipment	1	8	132	0.36	20	7,603
Paving	Pavers	1	8	130	0.42	25	10,920
Paving	Paving Equipment	1	8	132	0.36	25	9,504
Paving	Rollers	1	8	80	0.38	25	6,080
Landscaping/Trail Construction	Plate Compactors	1	4	8	0.43	135	1,858
Landscaping/Trail Construction	Rollers	1	6	80	0.38	135	24,624
Landscaping/Trail Construction	Tractors/Loaders/Backhoes	1	8	97	0.37	135	38,761
Site Amenities	Tractors/Loaders/Backhoes	1	8	97	0.29	45	10,127

20,177

Total ≤ 100	169,022
Total >100	202,936

Appendix E Geotechnical Report





GEOTECHNICAL SERVICES KAHLER RUSSELL PARK UPPER SAN GABRIEL RIVER EWMP LOS ANGELES COUNTY, CALIFORNIA TASK ORDER NO. T10503269-102669-OM

PREPARED FOR:

MWH Americas 300 North Lake Avenue, Suite 400 Pasadena, California 91101

PREPARED BY:

Ninyo & Moore Geotechnical and Environmental Sciences Consultants 5710 Ruffin Road San Diego, California 92123

> June 3, 2015 Project No. 107900001

5710 Ruffin Road = San Diego, California 92123 = Phone (858) 576-1000 = Fax (858) 576-9600



June 3, 2015 Project No. 107900001

Ms. Bronwyn Kelly MWH Americas 300 North Lake Avenue, Suite 400 Pasadena, California 91101

Subject: Geotechnical Services Kahler Russell Park Upper San Gabriel River EWMP Los Angeles County, California Task Order No. T10503269-102669-OM

Dear Ms. Kelly:

In accordance with your authorization and task order dated January 21, 2015, we have performed geotechnical services at Kahler Russell Park for the Upper San Gabriel River Enhanced Watershed Management Program (EWMP) project in Los Angeles County, California. This report presents geotechnical data obtained by Ninyo & Moore relative to the proposed project. We appreciate the opportunity to be of service on this project.

Sincerely, NINYO & MOORE

Within 2. Morright

William Morrison, PE, GE Senior Engineer

CAT/WRM/GTF/KHM/gg

Distribution: (1) Addressee (via e-mail)



Gregory T. Farrand, PG, CEG Principal Geologist



5710 Ruffin Road · San Diego, California 92123 · Phone (858) 576-1000 · Fax (858) 576-9600

TABLE OF CONTENTS

Page

1.	INTRODUCTION1
2.	SCOPE OF SERVICES
3.	PROJECT AND SITE DESCRIPTION
4.	SUBSURFACE EXPLORATION AND LABORATORY TESTING
5.	GEOLOGY AND SUBSURFACE CONDITIONS 3 5.1. Regional and Geologic Setting 3 5.2. Site Geology 3 5.2.1. Fill 4 5.2.2. Alluvium 4 5.3. Groundwater 4
6.	FAULTING AND SEISMICITY
7.	OTHER GEOTECHNICAL CONSIDERATIONS
8.	DISCUSSION AND FINDINGS
9.	PRELIMINARY RECOMMENDATIONS89.1. Site Preparation99.2. Materials for Fill99.3. Compacted Fill99.4. Utility Trench Backfill109.5. Preliminary Foundation Recommendations119.6. Concrete129.7. Plan Review and Construction Observation12
10.	LIMITATIONS
11.	REFERENCES15

Figures

Figure 1 – Site Location	
Figure 2 – Boring Location	1

- Figure 3 Geology
- Figure 4 Fault Locations

Appendices Appendix A – Boring Logs Appendix B – Laboratory Testing
1. INTRODUCTION

In accordance with your authorization and task order dated January 21, 2015, we have performed geotechnical services at Kahler Russell Park for the Upper San Gabriel River Enhanced Watershed Management Program (EWMP) project in Los Angeles County, California (Figure 1). This report presents a compilation of geotechnical data obtained from the project along with preliminary evaluation of potential geotechnical factors that could affect the conceptual design of the project. We understand that the information contained herein will be included in the environmental report.

2. SCOPE OF SERVICES

Ninyo & Moore's scope of services for this project included review of pertinent background data, performance of a geologic reconnaissance, and subsurface exploration with regard to the proposed project. Specifically, we performed the following tasks:

- Review of readily available background materials, including State of California Seismic Hazards Zones map, State of California Earthquake Fault Zone map (Alquist-Priolo Special Studies Zones map), other published geologic maps and literature, in-house information, stereoscopic aerial photographs, and plans provided by the client.
- Performance of a site reconnaissance to observe the existing conditions at the site and to mark the proposed boring location for utility clearance. Mark-out of potential existing underground utilities was conducted through Underground Service Alert (USA).
- Performing a subsurface exploration consisting of drilling, logging and sampling of one exploratory soil boring at the site. The boring was advanced to a depth of 100.5 feet using a truck-mounted drill rig equipped with hollow stem augers.
- Performing geotechnical laboratory testing on soil samples collected during our subsurface exploration. The testing included an evaluation of moisture content, in-situ moisture and dry density, grain-size analysis (sieve and 200 wash), direct shear, and soil corrosivity.
- Compiling the data obtained from our background research, subsurface exploration, and laboratory testing.
- Preparing this report that presents geotechnical data obtained from our background review, site reconnaissance, and subsurface exploration at the project site, along with preliminary evaluation of potential geotechnical factors that could affect the conceptual design of the project.

3. PROJECT AND SITE DESCRIPTION

The purpose of the project is to assist MWH Americas (MWH) and the Los Angeles County Department of Public Works (LADPW) in developing an Enhanced Watershed Management Program (EWMP) for the Upper San Gabriel River Watershed. Our services are intended to help support feasibility analyses being conducted by MWH and LADPW for Better Management Practices (BMPs) at specific locations as part of the EWMP. We understand that the BMPs will help to reduce the impact of storm water and non-storm water discharges on the area (MWH, 2014).

Ten separate sites located within the San Gabriel Valley in Los Angeles County, California have been selected for feasibility analyses for the project. This report addresses the Kahler Russell County Park site, which is located at 735 North Glendora Avenue in the city of Covina (Figures 1 and 2). Kahler Russell Park is maintained by the County of Los Angeles. Geotechnical evaluations for the other nine sites are addressed in reports that are being issued under separate covers (Ninyo & Moore, 2015a through 2015i).

Kahler Russell County Park is developed with improvements that include restroom and recreation center buildings, softball/baseball fields, tennis and basketball courts, a roller hockey rink, asphalt concrete (AC) paved parking lots, paved and unpaved walkways, playground equipment, light poles, landscaping consisting of trees, shrubs, and grass areas, and other associated appurtenances. The site for the proposed improvements is located in a grass area in the northeast portion of the park between the tennis courts and the parking lot. The site coordinates are approximately 34.0938°N latitude and -117.8650°W longitude. Elevations at the project site range from approximately 620 feet above mean sea level (MSL) at the west end of the park to roughly 660 feet MSL at the east end of the park.

4. SUBSURFACE EXPLORATION AND LABORATORY TESTING

Our field exploration at the Kahler Russell Park site included a geologic reconnaissance that was conducted on February 19, 2015 and subsurface exploration that was conducted on March 3, 2015. The subsurface exploration consisted of drilling one 8-inch diameter hollow stem auger boring (B-6) to a depth of 100.5 feet below ground surface (bgs). The boring was logged by a

geologist from our firm. Representative disturbed and undisturbed soil samples were obtained at selected depths from the boring for laboratory testing. The approximate location of the boring is presented on Figure 2. The boring log is presented in Appendix A.

Laboratory testing of selected soil samples obtained from our exploratory boring included in-situ dry density and moisture content, gradation, direct shear, and soil corrosivity. The results of the in-situ dry density and moisture content tests are presented on the boring logs in Appendix A. The results of the other laboratory tests described above are presented in Appendix B.

5. GEOLOGY AND SUBSURFACE CONDITIONS

Our findings regarding regional and site geology, and groundwater conditions at the Kahler Russell Park site are provided in the following sections.

5.1. Regional and Geologic Setting

The subject site is located within the northeastern portion of the Los Angeles Basin, which is included in the Peninsular Ranges Geomorphic Province (Norris and Webb, 1990). The geomorphic province encompasses an area that extends approximately 125 miles from the Transverse Ranges and the Los Angeles Basin south to the Mexican border, and continues farther to the tip of Baja California. The Los Angeles Basin has been divided into four structural blocks which are generally bounded by prominent fault systems. The site is located within the Northeastern Block, which is bordered on the west and south by the Whittier-Elsinore fault and is bordered on the north by the San Gabriel Mountains and the Raymond Hill Fault. The Northeastern Block is a deep basin characterized by thick sequences of alluvium and sedimentary units overlying basement rocks, which are at depths of up to approximately 12,000 feet below the surface in the central part of the San Gabriel Valley.

5.2. Site Geology

Our review of the referenced geologic maps and literature indicates that the subject site is underlain by Holocene to Pleistocene alluvial gravel and sand (Dibblee and Minch, 2002).

Geologic units encountered during our reconnaissance and subsurface exploration of the project site included relatively thin fill soils that mantle alluvium. Generalized descriptions of the units encountered are provided in the subsequent sections. Additional descriptions are provided on the boring logs in Appendix A. A geologic map of the region is presented on Figure 3.

5.2.1. Fill

Fill materials were encountered in our boring B-6 extending from the ground surface to a depth of approximately 3.5 feet below existing grade. As observed, the fill materials generally consisted of dark brown, moist, medium dense, silty sand. Scattered gravel was encountered in the fill materials.

5.2.2. Alluvium

Alluvium was encountered in our boring B-6 underlying the fill materials and was observed to extend to the total depth explored of approximately 100.5 feet below existing grade. As observed in our boring, the alluvial materials generally consisted of various shades of brown, moist, loose to very dense, silty sands and sandy silts. Scattered gravel was encountered at various depths in the alluvium.

5.3. Groundwater

Groundwater was not encountered during our subsurface exploration in our boring B-6. Fluctuations in the groundwater level and perched conditions typically occur due to variations in precipitation, ground surface topography, subsurface stratification, irrigation, and other factors.

6. FAULTING AND SEISMICITY

Based on our review of published geologic maps and review of stereoscopic aerial photographs, no active fault traces are mapped as underlying the Kahler Russell Park site. Therefore, the potential for surface fault rupture at the site is considered to be low. The project site is not located within a State of California Earthquake Fault Zone (Alquist-Priolo Special Studies Zone, Hart and Bryant, 1997). However, Kahler Russell Park is located in a seismically active area, as is the majority of southern California, and the potential for strong ground motion in the project area is considered significant during the design life of the proposed improvements. Figure 4 shows the approximate site location relative to the major faults in the region. The nearest known active fault is the San Jose fault, located approximately 3 miles southeast of the site.

6.1. Ground Motion

The 2013 California Building Code (CBC) specifies that the Risk-Targeted, Maximum Considered Earthquake (MCE_R) ground motion response accelerations be used to evaluate seismic loads for design of buildings and other structures. The MCE_R ground motion response accelerations are based on the spectral response accelerations for 5 percent damping in the direction of maximum horizontal response and incorporate a target risk for structural collapse equivalent to 1 percent in 50 years with deterministic limits for near-source effects. The horizontal peak ground acceleration (PGA) that corresponds to the MCE_R for the site was calculated at 0.888g using the United States Geological Survey (USGS, 2013) seismic design tool (web-based).

The 2013 CBC specifies that the potential for liquefaction and soil strength loss be evaluated, where applicable, for the Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration with adjustment for site class effects in accordance with the American Society of Civil Engineers (ASCE) 7-10 Standard. The MCE_G peak ground acceleration is based on the geometric mean peak ground acceleration with a 2 percent probability of exceedance in 50 years. The MCE_G peak ground acceleration with adjustment for site class effects (PGA_M) was calculated as 0.778g using the USGS (USGS, 2013) seismic design tool that yielded a mapped MCE_G peak ground acceleration of 0.778g for the site and a site coefficient (F_{PGA}) of 1.0 for Site Class D.

6.2. Surface Fault Rupture

The probability of damage due to surface ground rupture is relatively low due to the lack of known active faults crossing the project site. Surface ground cracking related to shaking from distant events is not considered a significant hazard, although it is a possibility.

6.3. Liquefaction and Dynamic Settlement

Liquefaction is the phenomenon in which loosely deposited, granular soils and some finegrained soils located below the water table undergo rapid loss of shear strength when subjected to strong earthquake-induced ground shaking. Ground shaking of sufficient duration can result in a loss of grain-to-grain contact due to a rapid rise in pore water pressure causing the soil to behave as a fluid for a short period. Liquefaction is known generally to occur in saturated or near-saturated cohesionless soils at depths shallower than 50 feet below the ground surface. Factors known to influence liquefaction potential include composition and thickness of soil layers, grain size, relative density, groundwater level, degree of saturation, and both intensity and duration of ground shaking.

According to the Seismic Hazard Zones Map for the San Dimas Quadrangle, (CGS, 1999), the Kahler Russell Park site is not mapped as being in an area susceptible to liquefaction. During our subsurface exploration, groundwater was not encountered at Kahler Russell Park to the total depth explored of 100.5 feet. Based on the observed absence of a shallow groundwater table, we consider the potential for seismic-induced liquefaction to be low at the Kahler Russell Park site.

7. OTHER GEOTECHNICAL CONSIDERATIONS

7.1. Slope Stability

Our review of maps published by the California Geological Survey (CGS, 1999) indicate that the Kahler Russell Park site is not situated in an area considered to be susceptible to seismic-induced landsliding. In addition, our observations indicate that the site is generally level to gently sloping. Consequently, landsliding or slope instability are not considered to be a constraint at the project site.

7.2. Corrosion

Laboratory testing was performed on representative samples of the on-site soils to evaluate pH and electrical resistivity, as well as chloride and sulfate contents. The pH and electrical resistivity tests were performed in accordance with the California Test (CT) 643 and the sulfate and chloride tests were performed in accordance with CTs 417 and 422, respectively. These laboratory test results are presented in Appendix B.

The results of the corrosivity testing performed on a sample obtained from the site indicated an electrical resistivity value of 2,900 ohm-cm, a soil pH value of 7.6, a chloride content of 490 ppm, and a sulfate content of 0.009 percent. According to Caltrans criteria and American Concrete Institute (ACI) 318 guidelines, a corrosive soil is defined as one with more than 500 ppm chlorides, more than 0.2 percent sulfates, a pH less than 5.5, or an electrical resistivity of less than 1,000 ohm-cm. While the upper soils encountered at the site are not considered to be corrosive (based on Caltrans criteria (2012) and ACI guidelines), the chloride content measured in the soil is high enough that it would be prudent to consider this site to be corrosive.

8. DISCUSSION AND FINDINGS

As discussed above, our geotechnical services were performed to assist MWH and LADPW evaluate the preliminary feasibility of an onsite storm water infiltration system at the Kahler Russell Park site. Based on our communications with MWH, we understand that the preliminary criteria at the site is related to the presence of groundwater or dense materials providing refusal to drilling equipment within 100 feet of the ground surface. As such, our scope of services included the drilling of an exploratory boring that extended to a depth of 100 feet, to groundwater, or to refusal (whichever is shallower). We understand that BMPs being considered for the site are conceptual at this time. Based on the information obtained from our geotechnical evaluation, the following findings and conclusions have been made:

• The project site is underlain by relatively shallow fill (approximately 3.5 feet deep) overlying alluvial soils. The encountered portions of the fill were generally comprised of silty sands that contained scattered amounts of gravel. The underlying alluvial soils were observed to consist of silty sands and sandy silts.

- Groundwater was not encountered in our exploratory boring to the total depth explored of 100.5 feet.
- Based on our review of aerial photographs and published geologic maps, there are no known active faults or landslides underlying the project site.
- Our faulting and seismicity evaluation indicated that the site is subject to severe ground shaking due to a design seismic event.
- Review of geological literature indicates that the site is not situated in an area that has been mapped as being susceptible to liquefaction. Additionally, groundwater was not encountered in our exploration at the site. Based on the observed absence of a shallow groundwater table, we consider the potential for seismic-induced liquefaction to be low at the Kahler Russell Park site.
- In-place infiltration testing was not performed as part of our geotechnical services. However, based on published correlations between a soil's grain size and its permeability (Shepherd, 1989), an estimated permeability on the order of 10⁻³ cm/sec within the encountered sandy and silty soils can be utilized for preliminary evaluation purposes. Actual design of storm water infiltration devices should be in accordance with the County of Los Angeles guide-lines and should be based on field infiltration testing at the site.
- Recommendations provided in this report are preliminary in nature and are not intended to provide sufficient information to fully address potential geotechnical related issues. Prior to site development an additional geotechnical evaluation should be performed.

9. PRELIMINARY RECOMMENDATIONS

As noted above we understand that the Better Management Practices (BMPs) associated with the proposed Upper San Gabriel River EWMP Project are conceptual at this time. As such, details regarding the types and construction of the BMPs (if any) are not known at this time for the Kahler Russell Park site. We recommend that the geotechnical information presented herein be utilized during the evaluation of the feasibility of the devices associated with the EWMP project at the site. The design of BMPs should be performed in accordance with County of Los Angeles guidelines.

The following sections of this report provide preliminary recommendations for earthwork and design of structure foundations for preliminary planning purposes. Once the type and general construction of the devices is better defined, Ninyo & Moore should review the devices' preliminary design. At that time, supplemental recommendations may be provided.

9.1. Site Preparation

Prior to earthwork, the project site should be cleared of existing structures, pavement, abandoned utilities (if present), and stripped of rubble, debris, vegetation, loose, wet, or otherwise unstable soils, as well as surface soils containing organic material. Materials generated from the clearing operations should be removed from the site and disposed of at a legal dumpsite.

9.2. Materials for Fill

On-site soils relatively free of organic material are suitable for reuse as fill. In general, fill material should not contain rocks or lumps over approximately 4 inches in diameter, and not more than approximately 30 percent larger than ³/₄-inch. Oversize materials should be separated from material to be used for fill and removed from the site. Although not anticipated, if encountered, high plasticity clays and silts should be disposed of off-site.

Utility trench backfill material should not contain rocks or lumps over approximately 3 inches in general. Soils classified as silts or clays should not be used for backfill in the pipe zone. Larger chunks, if generated during excavation, may be broken into acceptably sized pieces or disposed of off site.

Imported fill material should generally be granular soils with a very low to low expansion potential (i.e., an expansion index of 50 or less as evaluated by ASTM D 4829). Import material should also be non-corrosive in accordance with the Caltrans (2012) corrosion guidelines. Materials for use as fill should be evaluated by Ninyo & Moore's representative prior to filling or importing.

9.3. Compacted Fill

Prior to placement of compacted fill, the contractor should request an evaluation of the exposed ground surface by Ninyo & Moore. Unless otherwise recommended, the exposed ground surface should then be scarified, moisture conditioned as needed to achieve moisture contents generally above the optimum moisture content, and then compacted to a relative compaction of 90 percent as evaluated in accordance with ASTM D 1557. The evaluation of

compaction by the geotechnical consultant should not be considered to preclude any requirements for observation or approval by governing agencies. It is the contractor's responsibility to notify the geotechnical consultant and the appropriate governing agency when the project area is ready for observation, and to provide reasonable time for that review.

Fill materials should be moisture conditioned to generally above the laboratory optimum moisture content prior to placement. The optimum moisture content will vary with material type and other factors. Moisture conditioning of fill soils should be generally consistent within the soil mass.

Prior to placement of additional compacted fill material following a delay in the grading operations, the exposed surface of previously compacted fill should be prepared to receive fill. Preparation may include scarification, moisture conditioning, and recompaction.

Compacted fill should be placed in horizontal lifts of approximately 8 inches in loose thickness. Prior to compaction, each lift should be watered or dried as needed to achieve a moisture content generally above the laboratory optimum, mixed, and then compacted by mechanical methods, using sheepsfoot rollers, multiple-wheel pneumatic-tired rollers or other appropriate compacting rollers, to a relative compaction of 90 percent as evaluated by ASTM D 1557. Successive lifts should be treated in a like manner until the desired finished grades are achieved.

9.4. Utility Trench Backfill

Based on our subsurface exploration, the on-site earth materials should be generally suitable for re-use as trench backfill provided they are free of organic material, clay lumps, debris, and rocks greater than approximately 3 inches in diameter. We recommend that trench backfill materials be in conformance with the "Greenbook" (Standard Specifications for Public Works Construction) specifications for structure backfill. Fill should be moistureconditioned to generally above the laboratory optimum. Trench backfill should be compacted to a relative compaction of 90 percent except for the upper 12 inches of the backfill that should be compacted to a relative compaction of 95 percent as evaluated by ASTM D 1557. Lift thickness for backfill will depend on the type of compaction equipment utilized, but fill should generally be placed in lifts not exceeding 8 inches in loose thickness. Special care should be exercised to avoid damaging the pipe during compaction of the backfill.

9.5. Preliminary Foundation Recommendations

For preliminary design purposes, shallow, spread or continuous footings founded on compacted fill or alluvial soils can be considered suitable for support of structures. Shallow, spread or continuous footings bearing on compacted fill or alluvial soils may be designed assuming an allowable bearing capacity of 2,000 psf. This allowable bearing capacity may be increased by one-third when considering loads of short duration such as wind or seismic forces. Spread footings should be founded 18 inches below the lowest adjacent grade. Continuous footings should have a width of 15 inches and isolated footings should be 18 inches in width or more. The spread footings should be reinforced in accordance with the recommendations of the project structural engineer.

For resistance of foundations to lateral loads, we recommend an allowable passive pressure exerted by an equivalent fluid weight of 300 pounds per cubic foot be used. This value assumes that the ground is horizontal for a distance of 10 feet or more, or three times the height generating the passive pressure, whichever is greater. We recommend that the upper 1 foot of soil not protected by pavement or a concrete slab be neglected when calculating passive resistance.

For frictional resistance to lateral loads, we recommend a coefficient of friction of 0.35 be used between soil and concrete. If passive and frictional resistances are to be used in combination, we recommend that the passive value not exceed one-half of the total resistance. The passive resistance values may be increased by one-third when considering loads of short duration such as wind or seismic forces.

9.6. Concrete

Concrete in contact with soil or water that contains high concentrations of soluble sulfates can be subject to chemical deterioration. Laboratory testing indicated the sulfate content of the sample tested was less than 0.2 percent, which is considered negligible for sulfate attack based on ACI criteria (ACI, 2011). Although significant sulfate content was not indicated, we recommend that Type II/V cement be used for concrete structures in contact with soil, due to the potential for variability of site soil. The water-cement ratio of the concrete should be 0.45 or less and the slump should be 4 inches or less.

9.7. Plan Review and Construction Observation

The preliminary conclusions and recommendations presented in this report are based on analysis of observed conditions in widely spaced exploratory borings. If conditions are found to vary from those described in this report, Ninyo & Moore should be notified, and additional recommendations will be provided upon request. Because we understand that the design of the BMPs devices for the EWMP project is conceptual at this point, we recommend that Ninyo & Moore review the devices' preliminary design, once the type and general construction of the devices is better defined. At that time, supplemental recommendations may be provided.

Ninyo & Moore should review the final project drawings and specifications prior to the commencement of construction. Ninyo & Moore should perform the needed observation and testing services during construction operations to evaluate the assumptions inherent in the design.

The preliminary recommendations provided in this report are based on the assumption that Ninyo & Moore will provide geotechnical observation and testing services during construction. In the event that it is decided not to utilize the services of Ninyo & Moore during construction, we request that the selected consultant provide the client with a letter (with a copy to Ninyo & Moore) indicating that they fully understand Ninyo & Moore's recommendations, and that they are in full agreement with the design parameters and recommendations contained in this report. Construction of proposed improvements should be performed by qualified subcontractors utilizing appropriate techniques and construction materials.

10. LIMITATIONS

The field evaluation, laboratory testing, and geotechnical analyses presented in this geotechnical report have been conducted in general accordance with current practice and the standard of care exercised by geotechnical consultants performing similar tasks in the project area. No warranty, expressed or implied, is made regarding the preliminary conclusions, recommendations, and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be encountered during construction. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration. Additional subsurface evaluation will be performed upon request. Please also note that our evaluation was limited to assessment of the geotechnical aspects of the project, and did not include evaluation of structural issues, environmental concerns, or the presence of hazardous materials.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document.

This report is intended for feasibility and preliminary design purposes only. It does not provide sufficient data to prepare an accurate bid by contractors. It is suggested that the bidders and their geotechnical consultant perform an independent evaluation of the subsurface conditions in the project areas. The independent evaluations may include, but not be limited to, review of other geotechnical reports prepared for the adjacent areas, site reconnaissance, and additional exploration and laboratory testing.

Our preliminary conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. If geotechnical conditions different from those described in this report are encountered, our office should be notified, and additional recommendations, if warranted, will be provided upon request. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no controls.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

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Appendix F Paleontological Resources Memorandum (Confidential – Not for Public Distribution)



Appendix G Greenhouse Gas Emissions Assumptions and Modeling



Wingate Park Regional EWMP

Construction Assumptions

Project Site Acreage 3.5

	Floject Site Acreage 5.5		
Project Summary			
Land Use ¹	CalEEMod Landuse Type	Amount	Unit
Community Park	City Park	1.15	acres
Parking Lot	Parking Lot	2.35	acres

Notes

1 Land use acreage is an estimate of the total site acreage of 3.5 acres

Construction Schedule⁴

									Total One-					
						Total One-way			Way			Total One-		
					# of Workers per	Worker Trips		Vendor Trips	Vendor	Trip	Total Haul	way Haul	Trucks per	
Phase Name	CalEEMod Phase Type	Start Date	End Date	Total Days	day	per day	Trip Length ⁵	per day	Trips	Length⁵	Trucks	Trips	day	Trip Length ⁵
Demolition	Demolition	6/7/2021	7/2/2021	20	10	20	14.7	3	6	6.9	58	116	3	4.9
Site Preparation	Site Preparation	7/5/2021	7/23/2021	15	12	24	14.7	3	6	6.9	-	-	-	-
Grading/Excavation	Grading	7/25/2021	9/17/2021	40	10	20	14.7	3	6	6.9	1413	2825	35	4.9
Drainage/Utilities/Sub-Grade	Trenching	12/11/2021	3/11/2022	65	12	24	14.7	-	-	-	-	-	-	-
Foundations/Concrete Pour	Building Construction	3/12/2022	4/2/2022	15	12	24	14.7	1	2	6.9	-	-	-	-
Paving	Paving	4/30/2022	6/3/2022	25	10	20	14.7	23	46	6.9	-	-	-	-
Infiltration Chamber Installation	Building Construction	9/18/2021	12/10/2021	60	16	32	14.7	-	-	6.9	-	-	-	
Pervious Pavement	Paving	4/3/2022	4/29/2022	20	10	20	14.7	-		6.9	-	-	-	-
Landscaping/Trail Construction	Grading	6/4/2022	12/11/2022	135	12	24	14.7	-		6.9	-	-	-	-
Site Amenities	Building Construction	7/11/2022	9/9/2022	45	10	20	14.7	2	4	6.9	-	-	-	-

Notes: Based on data needs request provided by CWE

Construction Equipment

Equipment Mix-Subject to change based on emissions results

		1	
Phase Name	Equipment Type	Equipment Amount ¹	Hours per Day
Demolition	Tractors/Loaders/Backhoes	3	8
	Excavators	1	8
Site Preparation	Tractors/Loaders/Backhoes	2	8
Grading/Excavation	Tractors/Loaders/Backhoes	1	8
	Excavators	2	8
	Graders	1	8
	Rubber Tired Loaders	2	8
Drainage/Utilties/Sub-Grade	Tractors/Loaders/Backhoes	1	6
	Compactor	1	6
	Excavators	1	6
Foundations/Concrete Pour	Cement and Mortar Mixers	1	6
Infiltration Chambers	Tractors/Loaders/Backhoes	2	8
	Cranes	1	8
Paving	Pavers	1	8
	Paving Equipment	1	8
	Rollers	1	8
Pervious Pavement	Paving Equipment	1	8
Landscaping/Trail	Tractors/Loaders/Backhoes	1	8
	Compactor	1	4
	Rollers	1	6
Site Amenities	Tractors/Loaders/Backhoes	1	8

Notes:

1 Equipment quantities were client-given inputs from construction data needs list

Paved Areas to be Removed

Hardscape ¹	Amount
Total Asphalt (SF)	50,094
Ashpalt Thickness (ft)	0.5
Hardscape Volume (ft3)	25,047
Hardscape Waste Volume (Cubic Yar	928

Notes:

Construction Data Needs
<u>http://www.calrecycle.ca.gov/swfacilities/cdi/tools/Calculations.htm</u>

TOTAL PROJECT DEMOLITION WASTE	Amount	Ī
Total Demolition Waste (tons)	2,500	Enter in CalEEMod
Total Demolition Waste (CY)	928	
Haul Truck Capacity ⁵	16	
Total Haul Trucks	58	
Total One-Way Trips	116	Enter in CalEEMod
Duration (days)	20	
Haul Trucks per day	3	

Excavation

Land Use Excavation/ Grading Quantities ¹	Export (CY)	Import (CY)	Site Acreage	Grading Passes	Total Acres Graded
Excavation	22,600		16	3	48

Grading/Excavation	Export (CY)	Import (CY)
Entire Site Development	-	22,600
Total Volume	22,600	
Haul Truck Capacity (CY)	16	
Total Haul Trucks	1,413	
Total One-way Haul Trips	2,825.00	Enter into CalEEM
Duration (days)	40	
Daily Haul Trucks	36	

Source: Construction data needs

Concrete	Estimates
	Lotinates

		Concrete	
		Truck	Total Trucks
		Capacity	Needed
Land Use	Concrete Volume (CY)	(CY) ⁴	(Vendor Trips)
Project	36	10	4

Land Use	Total Trucks
Project	4
Duration (days)	4
Trucks per day	1

Notes:

1 Based on data needs provided by CWE

Wingate Park Regional EWMP

Total On-Road Emissions

	Daily	Haul Davs	Work Hours	One-Way		Regional Emissions
Construction Phase	One-Way	per Phase	per Day	Trip Distance	Idling	(MT/vr)
	Trips		,,	per Day	per Dav	Total
	1	(days)	(hours/day)	(miles)	(minutes)	CO2e
Demolition	2021					
Total Haul Trips	116					
Hauling	6	20	8	4.9	15	1.02
Vendor	6	20	8	6.9	15	1.18
Worker	20	20	8	14.7	0	1.84
					Total	4.04
Site Preparation	2021					
Total Haul Trips	0					
Hauling	0	6	8	4.9	15	0.00
Vendor	6	6	8	6.9	15	0.35
Worker	24	6	8	14.7	0	0.66
					Total	1.01
Grading	2021					
Total Haul Trips	2825					
Hauling	72	40	8	4.9	15	24.58
Vendor	0	40	8	6.9	15	0.00
Worker	18	40	8	14.7	0	3.31
					Total	27.89
Infiltration Chamber Installation	2021					
Total Haul Trips	0					
Hauling	0	60	8	4.9	15	0.00
Vendor	25	60	8	6.9	15	14.74
Worker	32	60	8	14.7	0	8.81
Desires and Unititation (Carls Consider	2024				lotal	23.55
Drainage/Utilities/Sub-Grade	2021					
Total Haul mps	0	20	0	1.0	1 5	0.00
Hauling	0	20	8	4.9	15	0.00
Vendor	0	20	8	6.9	15	0.00
worker	24	20	8	14.7	U	2.20
Drainage (Utilities (Sub Crade	2022				TOLAT	2.20
Drainage/Otilities/Sub-Grade	2022					
Houling	0	45	0	4.0	15	0.00
Nondor	0	45	0	4.9	15	0.00
Worker	24	45	8	147	15	4.80
WORKER	24	45	0	14.7	Total	4.00
Foundations/Concrete Pour	2022				1000	4.00
Total Haul Trips	0					
Hauling	0	15	8	4.9	15	0.00
Vendor	2	4	8	6.9		0.08
Worker	24	15	8	14.7	0	1.60
		10	5		Total	1.65

Wingate Park Regional EWMP Total On-Road Emissions

	Daily	Haul Days	Work Hours	One-Way		Regional Emissions
Construction Phase	One-Way	per Phase	per Day	Trip Distance	Idling	(MT/yr)
	Trips			per Day	per Day	Total
		(days)	(hours/day)	(miles)	(minutes)	CO2e
Paving	2022					
Total Haul Trips	0					
Hauling	0	25	8	4.9	15	0.00
Vendor	46	25	8	6.9	15	10.99
Worker	20	25	8	14.7	0	2.22
					Total	13.21
Pervious Pavement	2022					
Total Haul Trips	0					
Hauling	0	20	8	4.9	15	0.00
Vendor	0	20	8	6.9	15	0.00
Worker	20	20	8	14.7	0	1.78
					Total	1.78
Landscaping/Trail Construction	2022					
Total Haul Trips	0					
Hauling	0	135	8	4.9	15	0.00
Vendor	0	135	8	6.9	15	0.00
Worker	24	135	8	14.7	0	14.40
					Total	14.40
Site Amenities	2022					
Total Haul Trips	0					
Hauling	0	45	8	4.9	15	0.00
Vendor	4	45	8	6.9	15	1.72
Worker	20	45	8	14.7	0	4.00
					Total	5.72
					Grand Total	100.29

Wingate Park Regional EWMP Running Emissions

	Running Emissions Factor					
		(grams/mile)				
	CO2	CH4	N2O			
2020Hauling Hauling	1551.87916	0.08112809	0.24599271			
2020Vendor Vendor	1340.46338	0.04529837	0.19169371			
2020Worker Worker	319.458691	0.00617495	0.00790785			
2021Hauling Hauling	1520.07529	0.08121693	0.2410944			
2021Vendor Vendor	1311.85371	0.04440854	0.18764154			
2021Worker Worker	310.119284	0.00538825	0.00712331			
2022Hauling Hauling	1477.43548	0.08019506	0.23446951			
2022Vendor Vendor	1273.54109	0.04239589	0.18204996			
2022Worker Worker	300.448479	0.00471177	0.00646256			
2023Hauling Hauling	1394.21089	0.07850131	0.22145577			
2023Vendor Vendor	1211.83967	0.04029686	0.17274956			
2023Worker Worker	290.781675	0.00413135	0.00590029			
GWP	1	25	290			

[Daily	Haul Davs	Work Hours	One-Way	Regional Emissions			
Construction Phase	One-Way	ner Phase	ner Dav	Trin Distance	(MT/year)		/vear)	
construction raise	Trips	per i nuse	per buy	per Day				
		(days)	(hours/day)	(miles)	CO2	CH4	N2O	CO2e
Demolition	2021							
Total Haul Trips	116							
Hauling	6	20	8	4.9	0.89	0.00	0.04	0.94
Vendor	6	20	8	6.9	1.09	0.00	0.05	1.13
Worker	20	20	8	14.7	1.82	0.00	0.01	1.84
Site Preparation	<u>2021</u>							
Total Haul Trips	0							
Hauling	0	6	8	4.9	0.00	0.00	0.00	0.00
Vendor	6	6	8	6.9	0.33	0.00	0.01	0.34
Worker	24	6	8	14.7	0.66	0.00	0.00	0.66
Grading	<u>2021</u>							
Total Haul Trips	2825							
Hauling	72	40	8	4.9	21.45	0.03	0.99	22.47
Vendor	0	40	8	6.9	0.00	0.00	0.00	0.00
Worker	18	40	8	14.7	3.28	0.00	0.02	3.31
Infiltration Chamber Installation	<u>2021</u>							
Total Haul Trips	0							
Hauling	0	60	8	4.9	0.00	0.00	0.00	0.00
Vendor	25	60	8	6.9	13.58	0.01	0.56	14.15
Worker	32	60	8	14.7	8.75	0.00	0.06	8.81
Drainage/Utilities/Sub-Grade	<u>2021</u>							
Total Haul Trips	0							
Hauling	0	20	8	4.9	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00
Worker	24	20	8	14.7	2.19	0.00	0.01	2.20
Drainage/Utilities/Sub-Grade	2022							
Total Haul Trips	0							
Hauling	0	45	8	4.9	0.00	0.00	0.00	0.00
Vendor	0	45	8	6.9	0.00	0.00	0.00	0.00
Worker	24	45	8	14.7	4.77	0.00	0.03	4.80
Foundations/Concrete Pour	2022							
I OTAI HAUI I rips	0	4-	-			0.55	0.55	
Hauling	0	15	8	4.9	0.00	0.00	0.00	0.00
vendor	2	4	8	6.9	0.07	0.00	0.00	0.07
Worker	24	15	8	14.7	1.59	0.00	0.01	1.60

Wingate Park Regional EWMP Running Emissions

	Running Emissions Factor				
		(grams/mile)			
	CO2	CH4	N2O		
2020Hauling Hauling	1551.87916	0.08112809	0.24599271		
2020Vendor Vendor	1340.46338	0.04529837	0.19169371		
2020Worker Worker	319.458691	0.00617495	0.00790785		
2021Hauling Hauling	1520.07529	0.08121693	0.2410944		
2021Vendor Vendor	1311.85371	0.04440854	0.18764154		
2021Worker Worker	310.119284	0.00538825	0.00712331		
2022Hauling Hauling	1477.43548	0.08019506	0.23446951		
2022Vendor Vendor	1273.54109	0.04239589	0.18204996		
2022Worker Worker	300.448479	0.00471177	0.00646256		
2023Hauling Hauling	1394.21089	0.07850131	0.22145577		
2023Vendor Vendor	1211.83967	0.04029686	0.17274956		
2023Worker Worker	290.781675	0.00413135	0.00590029		
GWP	1	25	290		

		Daily	Haul Days	Work Hours	One-Way		Regional	Emissions	
Construction Phase		One-Way	per Phase	per Day	Trip Distance		(MT/	'year)	
		Trips			per Day				
			(days)	(hours/day)	(miles)	CO2	CH4	N2O	CO2e
Paving		2022							
Total Haul Trips		0							
Hauling		0	25	8	4.9	0.00	0.00	0.00	0.00
Vendor		46	25	8	6.9	10.11	0.01	0.42	10.53
Worker		20	25	8	14.7	2.21	0.00	0.01	2.22
Pervious Pavement		2022							
Total Haul Trips		0							
Hauling		0	20	8	4.9	0.00	0.00	0.00	0.00
Vendor		0	20	8	6.9	0.00	0.00	0.00	0.00
Worker		20	20	8	14.7	1.77	0.00	0.01	1.78
Landscaping/Trail Construction		2022							
Total Haul Trips		0							
Hauling		0	135	8	4.9	0.00	0.00	0.00	0.00
Vendor		0	135	8	6.9	0.00	0.00	0.00	0.00
Worker		24	135	8	14.7	14.31	0.01	0.09	14.40
	<u>0</u>	<u>0</u>							
Site Amenities		2022							
Total Haul Trips		0							
Hauling		0	45	8	4.9	0.00	0.00	0.00	0.00
Vendor		4	45	8	6.9	1.58	0.00	0.07	1.65
Worker		20	45	8	14.7	3.97	0.00	0.02	4.00

Wingate Park Regional EWMP Idling Emissions

	Idling Emissions Factor					
	(grams/minute)					
	CO2	CH4	N2O			
2020Hauling Hauling	46.4004861	0.00108436	0.0073249			
2020Vendor Vendor	24.6020747	0.00063132	0.0038577			
2020Worker Worker	0	0	0			
2021Hauling Hauling	46.8010322	0.00108471	0.00738898			
2021Vendor Vendor	24.7786148	0.00063074	0.00388666			
2021Worker Worker	0	0	0			
2022Hauling Hauling	47.4685097	0.00108165	0.00749494			
2022Vendor Vendor	25.0816526	0.00062854	0.00393519			
2022Worker Worker	0	0	0			
2023Hauling Hauling	45.5898581	0.00108911	0.00720078			
2023Vendor Vendor	24.0888937	0.0006324	0.00377979			
2023Worker Worker	0	0	0			
GWP	1	25	290			

	Daily	Haul Days	Work Hours	Idling		Regional	Emissions	
Construction Dhoos	One Mar	nau Dhasa	work nours	iuning .		(N/T	(
Construction Phase	Une-way Trips	per Phase	per Day	minutes por Day		(1711)	/year)	
	mps	(days)	(hours/day)	(miles)	CO2	CH4	N2O	CO2e
Demolition	2021							
Total Haul Trips	116							
Hauling	6	20	0	15	0.08	0.00	0.00	0.09
Vondor	6	20	8	15	0.08	0.00	0.00	0.05
Worker	20	20	8	0	0.04	0.00	0.00	0.00
Site Preparation	2021							
Total Haul Trips	0	_	_					
Hauling	0	6	8	15	0.00	0.00	0.00	0.00
Vendor	6	6	8	15	0.01	0.00	0.00	0.01
Worker	24	6	8	0	0.00	0.00	0.00	0.00
Grading	<u>2021</u>							
Total Haul Trips	2825							
Hauling	72	40	8	15	2.02	0.00	0.09	2.12
Vendor	0	40	8	15	0.00	0.00	0.00	0.00
Worker	18	40	8	0	0.00	0.00	0.00	0.00
Infiltration Chamber Installation	2021							
Total Haul Trips	0							
Hauling	0	60	8	15	0.00	0.00	0.00	0.00
Vendor	25	60	8	15	0.56	0.00	0.03	0.58
Worker	32	60	8	0	0.00	0.00	0.00	0.00
Drainage/Litilities/Sub-Grade	2021							
Total Haul Trips	0							
Hauling	0	20	8	15	0.00	0.00	0.00	0.00
Vendor	0	20	8	15	0.00	0.00	0.00	0.00
Worker	24	20	8	0	0.00	0.00	0.00	0.00
Drainago/Utilitios/Sub Grado	2022							
Total Haul Trips	0							
Hauling	0	45	0	15	0.00	0.00	0.00	0.00
Vender	0	45	0	15	0.00	0.00	0.00	0.00
Worker	24	45 45	8	0	0.00	0.00	0.00	0.00
	2022							
Foundations/Concrete Pour	2022							
i otal Haul Trips	U	45	c	45	0.00	0.00	0.00	0.00
Hauling	U	15	8	15	0.00	0.00	0.00	0.00
vendor	2	4	8	15	0.00	0.00	0.00	0.00
Worker	24	15	8	0	0.00	0.00	0.00	0.00

Wingate Park Regional EWMP Idling Emissions

	Idling Emissions Factor					
	(grams/minute)					
	CO2	СН4	N2O			
2020Hauling Hauling	46.4004861	0.00108436	0.0073249			
2020Vendor Vendor	24.6020747	0.00063132	0.0038577			
2020Worker Worker	0	0	0			
2021Hauling Hauling	46.8010322	0.00108471	0.00738898			
2021Vendor Vendor	24.7786148	0.00063074	0.00388666			
2021Worker Worker	0	0	0			
2022Hauling Hauling	47.4685097	0.00108165	0.00749494			
2022Vendor Vendor	25.0816526	0.00062854	0.00393519			
2022Worker Worker	0	0	0			
2023Hauling Hauling	45.5898581	0.00108911	0.00720078			
2023Vendor Vendor	24.0888937	0.0006324	0.00377979			
2023Worker Worker	0	0	0			
GWP	1	25	290			

	Daily	Haul Days	Work Hours	Idling		Regional	Emissions	
Construction Phase	One-Way	per Phase	per Day	minutes		(MT/	'year)	
	Trips			per Day				
		(days)	(hours/day)	(miles)	CO2	CH4	N2O	CO2e
Paving	2022							
Total Haul Trips	0							
Hauling	0	25	8	15	0.00	0.00	0.00	0.00
Vendor	46	25	8	15	0.43	0.00	0.02	0.45
Worker	20	25	8	0	0.00	0.00	0.00	0.00
Pervious Pavement	<u>2022</u>							
Total Haul Trips	0							
Hauling	0	20	8	15	0.00	0.00	0.00	0.00
Vendor	0	20	8	15	0.00	0.00	0.00	0.00
Worker	20	20	8	0	0.00	0.00	0.00	0.00
Landscaping/Trail Construction	2022							
Total Haul Trips	0							
Hauling	0	135	8	15	0.00	0.00	0.00	0.00
Vendor	0	135	8	15	0.00	0.00	0.00	0.00
Worker	24	135	8	0	0.00	0.00	0.00	0.00
Site Amenities	2022							
Total Haul Trips	0							
Hauling	0	45	8	15	0.00	0.00	0.00	0.00
Vendor	4	45	8	15	0.07	0.00	0.00	0.07
Worker	20	45	8	0	0.00	0.00	0.00	0.00

Page 1 of 1

Wingate Park Regional EWMP - South Coast Air Basin, Annual

Wingate Park Regional EWMP South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.15	Acre	1.15	50,094.00	0
City Park	2.35	Acre	2.35	102,366.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31			
Climate Zone	9			Operational Year				
Utility Company	Southern California Edison							
CO2 Intensity (Ib/MWhr)	702.44	CH4 Intensity (Ib/MWhr)	0.029	N2O Intensity (Ib/MWhr)	0.006			

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Construction Phase - Client given construction schedule Off-road Equipment - Client given construction schedule Demolition - Client given construction schedule Grading - Client given construction schedule Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteri	100	0
tblAreaMitigation		100	0
tblAreaMitigation		50	0
tblAreaMitigation		50	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	230.00	45.00
tblConstructionPhase	NumDays	230.00	60.00
tblConstructionPhase	NumDays	230.00	15.00
tblConstructionPhase	NumDays	8.00	40.00
tblConstructionPhase	NumDays	8.00	135.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	18.00	25.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	AcresOfGrading	20.00	3.50
tblGrading	MaterialExported	0.00	22,600.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
---------------------	----------------------------	------	------
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

thlOffRoadEquipment	LleaneHoure	1	8 00	0 00
LDIOIII (OauLyuipineni	Usageriours		0.00	0.00
	•			

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					tons	s/yr							MT	/yr		
2021	0.0966	1.2786	0.8305	2.8600e- 003	0.0875	0.0369	0.1244	0.0201	0.0340	0.0541	0.0000	266.4948	266.4948	0.0456	0.0000	267.6351
2022	0.0571	0.4811	0.6340	1.2500e- 003	0.0353	0.0217	0.0571	9.4900e- 003	0.0201	0.0296	0.0000	111.4757	111.4757	0.0233	0.0000	112.0571
Maximum	0.0966	1.2786	0.8305	2.8600e- 003	0.0875	0.0369	0.1244	0.0201	0.0340	0.0541	0.0000	266.4948	266.4948	0.0456	0.0000	267.6351

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year					ton	s/yr					MT/yr						
2021	0.0966	1.2786	0.8305	2.8600e- 003	0.0693	0.0369	0.1062	0.0174	0.0340	0.0514	0.0000	266.4947	266.4947	0.0456	0.0000	267.6350	
2022	0.0571	0.4811	0.6340	1.2500e- 003	0.0353	0.0217	0.0571	9.4900e- 003	0.0201	0.0296	0.0000	111.4756	111.4756	0.0233	0.0000	112.0570	
Maximum	0.0966	1.2786	0.8305	2.8600e- 003	0.0693	0.0369	0.1062	0.0174	0.0340	0.0514	0.0000	266.4947	266.4947	0.0456	0.0000	267.6350	
	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e	
Percent Reduction	0.00	0.00	0.00	0.00	14.84	0.00	10.04	9.16	0.00	3.24	0.00	0.00	0.00	0.00	0.00	0.00	

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-7-2021	9-6-2021	0.7778	0.7778
2	9-7-2021	12-6-2021	0.5129	0.5129
3	12-7-2021	3-6-2022	0.1178	0.1178
4	3-7-2022	6-6-2022	0.1313	0.1313
5	6-7-2022	9-6-2022	0.2086	0.2086
6	9-7-2022	9-30-2022	0.0345	0.0345
		Highest	0.7778	0.7778

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/7/2021	7/2/2021	5	20	
2	Site Preparation	Site Preparation	7/5/2021	7/23/2021	5	15	
3	Grading	Grading	7/25/2021	9/17/2021	5	40	
4	Infiltration Chamber Installation	Building Construction	9/18/2021	12/10/2021	5	60	
5	Drainage/Utilities/Sub-grade	Trenching	12/11/2021	3/11/2022	5	65	
6	Foundations/Concrete Pour	Building Construction	3/12/2022	4/2/2022	5	15	
7	Pervious Pavement	Paving	4/3/2022	4/29/2022	5	20	
8	Paving	Paving	4/30/2022	6/3/2022	5	25	
9	Landscaping/Trail Construction	Grading	6/4/2022	12/11/2022	5	135	
10	Site Amenities	Building Construction	7/11/2022	9/9/2022	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.5

Acres of Paving: 1.15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	0	0.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	255	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Cement and Mortar Mixers	1	6.00	9	0.56
Foundations/Concrete Pour	Cranes	0	0.00	226	0.29
Foundations/Concrete Pour	Forklifts	0	0.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	0.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Foundations/Concrete Pour	Welders	0	0.00	46	0.45
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Drainage/Utilities/Sub-grade	Air Compressors	0	0.00	78	0.48
Drainage/Utilities/Sub-grade	Excavators	1	6.00	158	0.38
Drainage/Utilities/Sub-grade	Plate Compactors	1	6.00	8	0.43
Drainage/Utilities/Sub-grade	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Infiltration Chamber Installation	Cranes	1	8.00	231	0.29

Infiltration Chamber Installation	Forklifts	0	0.00	89	0.20
Infiltration Chamber Installation	Generator Sets	0	0.00	84	0.74
Infiltration Chamber Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Infiltration Chamber Installation	Welders	0	0.00	46	0.45
Pervious Pavement	Cement and Mortar Mixers	0	0.00	9	0.56
Pervious Pavement	Pavers	0	0.00	130	0.42
Pervious Pavement	Paving Equipment	1	8.00	132	0.36
Pervious Pavement	Rollers	0	0.00	80	0.38
Pervious Pavement	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Landscaping/Trail Construction	Excavators	0	0.00	158	0.38
Landscaping/Trail Construction	Graders	0	0.00	187	0.41
Landscaping/Trail Construction	Plate Compactors	1	4.00	8	0.43
Landscaping/Trail Construction	Rollers	1	6.00	80	0.38
Landscaping/Trail Construction	Rubber Tired Dozers	0	0.00	247	0.40
Landscaping/Trail Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Amenities	Cranes	0	0.00	231	0.29
Site Amenities	Forklifts	0	0.00	89	0.20
Site Amenities	Generator Sets	0	0.00	84	0.74
Site Amenities	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Amenities	Welders	0	0.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr												MT	/yr		
Fugitive Dust					0.0268	0.0000	0.0268	4.0500e- 003	0.0000	4.0500e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9100e- 003	0.0784	0.1005	1.4000e- 004		4.4000e- 003	4.4000e- 003		4.0500e- 003	4.0500e- 003	0.0000	12.7268	12.7268	4.1200e- 003	0.0000	12.8297
Total	7.9100e- 003	0.0784	0.1005	1.4000e- 004	0.0268	4.4000e- 003	0.0312	4.0500e- 003	4.0500e- 003	8.1000e- 003	0.0000	12.7268	12.7268	4.1200e- 003	0.0000	12.8297

9.31

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr												MT	/yr		
Fugitive Dust					0.0104	0.0000	0.0104	1.5800e- 003	0.0000	1.5800e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9100e- 003	0.0784	0.1005	1.4000e- 004		4.4000e- 003	4.4000e- 003		4.0500e- 003	4.0500e- 003	0.0000	12.7268	12.7268	4.1200e- 003	0.0000	12.8297
Total	7.9100e- 003	0.0784	0.1005	1.4000e- 004	0.0104	4.4000e- 003	0.0148	1.5800e- 003	4.0500e- 003	5.6300e- 003	0.0000	12.7268	12.7268	4.1200e- 003	0.0000	12.8297

3.3 Site Preparation - 2021

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr												MT	/yr		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8100e- 003	0.0284	0.0339	5.0000e- 005		1.6800e- 003	1.6800e- 003		1.5400e- 003	1.5400e- 003	0.0000	4.0946	4.0946	1.3200e- 003	0.0000	4.1277
Total	2.8100e- 003	0.0284	0.0339	5.0000e- 005	0.0000	1.6800e- 003	1.6800e- 003	0.0000	1.5400e- 003	1.5400e- 003	0.0000	4.0946	4.0946	1.3200e- 003	0.0000	4.1277

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8100e- 003	0.0284	0.0339	5.0000e- 005		1.6800e- 003	1.6800e- 003		1.5400e- 003	1.5400e- 003	0.0000	4.0946	4.0946	1.3200e- 003	0.0000	4.1277
Total	2.8100e- 003	0.0284	0.0339	5.0000e- 005	0.0000	1.6800e- 003	1.6800e- 003	0.0000	1.5400e- 003	1.5400e- 003	0.0000	4.0946	4.0946	1.3200e- 003	0.0000	4.1277

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					3.1300e- 003	0.0000	3.1300e- 003	3.9000e- 004	0.0000	3.9000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0357	0.3971	0.2754	6.5000e- 004		0.0153	0.0153		0.0141	0.0141	0.0000	57.2147	57.2147	0.0185	0.0000	57.6773
Total	0.0357	0.3971	0.2754	6.5000e- 004	3.1300e- 003	0.0153	0.0185	3.9000e- 004	0.0141	0.0145	0.0000	57.2147	57.2147	0.0185	0.0000	57.6773

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					1.2200e- 003	0.0000	1.2200e- 003	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0357	0.3971	0.2754	6.5000e- 004		0.0153	0.0153		0.0141	0.0141	0.0000	57.2146	57.2146	0.0185	0.0000	57.6772
Total	0.0357	0.3971	0.2754	6.5000e- 004	1.2200e- 003	0.0153	0.0165	1.5000e- 004	0.0141	0.0143	0.0000	57.2146	57.2146	0.0185	0.0000	57.6772

3.5 Infiltration Chamber Installation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	0.0236	0.2592	0.1951	3.6000e- 004		0.0126	0.0126		0.0116	0.0116	0.0000	31.5847	31.5847	0.0102	0.0000	31.8401
Total	0.0236	0.2592	0.1951	3.6000e- 004		0.0126	0.0126		0.0116	0.0116	0.0000	31.5847	31.5847	0.0102	0.0000	31.8401

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	0.0236	0.2592	0.1951	3.6000e- 004		0.0126	0.0126		0.0116	0.0116	0.0000	31.5847	31.5847	0.0102	0.0000	31.8400
Total	0.0236	0.2592	0.1951	3.6000e- 004		0.0126	0.0126		0.0116	0.0116	0.0000	31.5847	31.5847	0.0102	0.0000	31.8400

3.6 Drainage/Utilities/Sub-grade - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	2.5700e- 003	0.0242	0.0323	5.0000e- 005		1.2700e- 003	1.2700e- 003		1.1700e- 003	1.1700e- 003	0.0000	4.2639	4.2639	1.3400e- 003	0.0000	4.2974
Total	2.5700e- 003	0.0242	0.0323	5.0000e- 005		1.2700e- 003	1.2700e- 003		1.1700e- 003	1.1700e- 003	0.0000	4.2639	4.2639	1.3400e- 003	0.0000	4.2974

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT.	/yr		
Off-Road	2.5700e- 003	0.0242	0.0323	5.0000e- 005		1.2700e- 003	1.2700e- 003		1.1700e- 003	1.1700e- 003	0.0000	4.2638	4.2638	1.3400e- 003	0.0000	4.2974
Total	2.5700e- 003	0.0242	0.0323	5.0000e- 005		1.2700e- 003	1.2700e- 003		1.1700e- 003	1.1700e- 003	0.0000	4.2638	4.2638	1.3400e- 003	0.0000	4.2974

3.6 Drainage/Utilities/Sub-grade - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT	/yr		
Off-Road	7.6400e- 003	0.0695	0.1069	1.6000e- 004		3.4800e- 003	3.4800e- 003		3.2200e- 003	3.2200e- 003	0.0000	14.2156	14.2156	4.4700e- 003	0.0000	14.3273
Total	7.6400e- 003	0.0695	0.1069	1.6000e- 004		3.4800e- 003	3.4800e- 003		3.2200e- 003	3.2200e- 003	0.0000	14.2156	14.2156	4.4700e- 003	0.0000	14.3273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT	/yr		
Off-Road	7.6400e- 003	0.0695	0.1069	1.6000e- 004		3.4800e- 003	3.4800e- 003		3.2200e- 003	3.2200e- 003	0.0000	14.2156	14.2156	4.4700e- 003	0.0000	14.3273
Total	7.6400e- 003	0.0695	0.1069	1.6000e- 004		3.4800e- 003	3.4800e- 003		3.2200e- 003	3.2200e- 003	0.0000	14.2156	14.2156	4.4700e- 003	0.0000	14.3273

3.7 Foundations/Concrete Pour - 2022

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT	/yr		
Off-Road	3.3000e- 004	2.0700e- 003	1.7400e- 003	0.0000		8.0000e- 005	8.0000e- 005		8.0000e- 005	8.0000e- 005	0.0000	0.2578	0.2578	3.0000e- 005	0.0000	0.2585
Total	3.3000e- 004	2.0700e- 003	1.7400e- 003	0.0000		8.0000e- 005	8.0000e- 005		8.0000e- 005	8.0000e- 005	0.0000	0.2578	0.2578	3.0000e- 005	0.0000	0.2585

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT	/yr		
Off-Road	3.3000e- 004	2.0700e- 003	1.7400e- 003	0.0000		8.0000e- 005	8.0000e- 005		8.0000e- 005	8.0000e- 005	0.0000	0.2578	0.2578	3.0000e- 005	0.0000	0.2585
Total	3.3000e- 004	2.0700e- 003	1.7400e- 003	0.0000		8.0000e- 005	8.0000e- 005		8.0000e- 005	8.0000e- 005	0.0000	0.2578	0.2578	3.0000e- 005	0.0000	0.2585

3.8 Pervious Pavement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT	/yr		
Off-Road	1.7800e- 003	0.0174	0.0255	4.0000e- 005		8.5000e- 004	8.5000e- 004		7.8000e- 004	7.8000e- 004	0.0000	3.5786	3.5786	1.1600e- 003	0.0000	3.6075
Paving	1.5100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.2900e- 003	0.0174	0.0255	4.0000e- 005		8.5000e- 004	8.5000e- 004		7.8000e- 004	7.8000e- 004	0.0000	3.5786	3.5786	1.1600e- 003	0.0000	3.6075

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	1.7800e- 003	0.0174	0.0255	4.0000e- 005		8.5000e- 004	8.5000e- 004		7.8000e- 004	7.8000e- 004	0.0000	3.5786	3.5786	1.1600e- 003	0.0000	3.6075
Paving	1.5100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.2900e- 003	0.0174	0.0255	4.0000e- 005		8.5000e- 004	8.5000e- 004		7.8000e- 004	7.8000e- 004	0.0000	3.5786	3.5786	1.1600e- 003	0.0000	3.6075

3.9 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT	/yr		
Off-Road	6.7900e- 003	0.0685	0.0897	1.4000e- 004		3.5000e- 003	3.5000e- 003		3.2200e- 003	3.2200e- 003	0.0000	12.3187	12.3187	3.9800e- 003	0.0000	12.4183
Paving	1.5100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.3000e- 003	0.0685	0.0897	1.4000e- 004		3.5000e- 003	3.5000e- 003		3.2200e- 003	3.2200e- 003	0.0000	12.3187	12.3187	3.9800e- 003	0.0000	12.4183

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	6.7900e- 003	0.0685	0.0897	1.4000e- 004		3.5000e- 003	3.5000e- 003		3.2200e- 003	3.2200e- 003	0.0000	12.3187	12.3187	3.9800e- 003	0.0000	12.4183
Paving	1.5100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.3000e- 003	0.0685	0.0897	1.4000e- 004		3.5000e- 003	3.5000e- 003		3.2200e- 003	3.2200e- 003	0.0000	12.3187	12.3187	3.9800e- 003	0.0000	12.4183

3.10 Landscaping/Trail Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N20	CO2e
Category					tons	s/yr							MT	/yr		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0209	0.2090	0.2523	3.6000e- 004		0.0115	0.0115		0.0106	0.0106	0.0000	31.1721	31.1721	9.8500e- 003	0.0000	31.4183
Total	0.0209	0.2090	0.2523	3.6000e- 004	0.0000	0.0115	0.0115	0.0000	0.0106	0.0106	0.0000	31.1721	31.1721	9.8500e- 003	0.0000	31.4183

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0209	0.2090	0.2523	3.6000e- 004		0.0115	0.0115		0.0106	0.0106	0.0000	31.1720	31.1720	9.8500e- 003	0.0000	31.4183
Total	0.0209	0.2090	0.2523	3.6000e- 004	0.0000	0.0115	0.0115	0.0000	0.0106	0.0106	0.0000	31.1720	31.1720	9.8500e- 003	0.0000	31.4183

3.11 Site Amenities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons	s/yr							MT	/yr		
Off-Road	3.7100e- 003	0.0377	0.0504	7.0000e- 005		2.0300e- 003	2.0300e- 003		1.8700e- 003	1.8700e- 003	0.0000	6.1488	6.1488	1.9900e- 003	0.0000	6.1985
Total	3.7100e- 003	0.0377	0.0504	7.0000e- 005		2.0300e- 003	2.0300e- 003		1.8700e- 003	1.8700e- 003	0.0000	6.1488	6.1488	1.9900e- 003	0.0000	6.1985

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	3.7100e- 003	0.0377	0.0504	7.0000e- 005		2.0300e- 003	2.0300e- 003		1.8700e- 003	1.8700e- 003	0.0000	6.1488	6.1488	1.9900e- 003	0.0000	6.1985
Total	3.7100e- 003	0.0377	0.0504	7.0000e- 005		2.0300e- 003	2.0300e- 003		1.8700e- 003	1.8700e- 003	0.0000	6.1488	6.1488	1.9900e- 003	0.0000	6.1985

Appendix H Phase I Environmental Site Assessment





Phase I Environmental Site Assessment Wingate Park Stormwater BMP Project 735 North Glendora Avenue Covina, California 91724 Project No. T37741



January 15, 2018



Phase I Environmental Site Assessment Wingate Park Stormwater BMP Project 735 North Glendora Avenue Covina, California 91724 Project No. T37741

January 15, 2018

Prepared by:

Tetra Tech, Inc. 17885 Von Karman Avenue, Suite 500 Irvine, California 92614 Phone: 949-809-5000 Fax: 949-809-5010

Prepared for:

City of Industry 15625 East Stafford Street, Suite 100 City of Industry, California 91744

Attention: Ms. Kristen Weger Project Manager



17885 Von Karman Avenue, Suite 500 Irvine, California 92614 Phone: 949-809-5000 Fax: 949-809-5010

January 15, 2018

City of Industry 15625 East Stafford Street, Suite 100 City of Industry, California 91744

Attention: Ms. Kristen Weger Project Manager

RE: Phase I Environmental Site Assessment Wingate Park Stormwater BMP Project 735 North Glendora Avenue Covina, California 91724 Project No. T37741

Dear Ms. Weger:

Tetra Tech, Inc. (Tetra Tech) appreciates the opportunity to submit this Phase I Environmental Site Assessment (ESA) report (Report) for the above-referenced property (Site) to the City of Industry.

Tetra Tech found no recognized environmental conditions (RECs), no controlled RECs (CRECs), no historical RECs (HRECs), one potential environmental concern (PEC), and one business environmental risk (BER) in connection with the Site.

It is Tetra Tech's understanding that this Phase I ESA is being requested in conjunction with due diligence activities by the City of Industry. Tetra Tech recognizes that this Report is to be used exclusively by the City of Industry, and its successors, lenders, and assigns involved with the pending transaction. It is a report upon which the City of Industry, and its successors, lenders, and assigns involved with the pending transaction, can rely.

We appreciate the opportunity to provide you with these services. Please do not hesitate to contact us at your convenience should you have questions or comments regarding this Report or our findings. It has been a pleasure working with you on this transaction.

Sincerely,

TETRA TECH, INC.

STEVEN GROD Project Manager Phone: 949-809-5076

Enclosures

OLIVER D. GALANG, P. E., ENV SP Los Angeles Water Resources Engineering Manager Phone: 626-470-2423

TABLE OF CONTENTS

1.0	SUM	MARY AND CONCLUSIONS	1
	1.1	FINDINGS, OPINIONS, AND CONCLUSIONS	2
	1.2	RECOMMENDATIONS	3
2.0	INTR	ODUCTION	4
	2.1	PURPOSE AND SCOPE OF SERVICES	4
	2.2	SIGNIFICANT ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS, SPECIAL	
		TERMS AND CONDITIONS	5
		2.2.1 Significant Assumptions	5
		2.2.2 Limitations and Exceptions	6
		2.2.3 Special Terms and Conditions	6
	2.3	USER RELIANCE	7
3.0	PRO	PERTY DESCRIPTION	8
	3.1	SITE RECONNAISSANCE	8
	3.2	GENERAL SITE CONDITIONS	8
	3.3	SITE IMPROVEMENTS	8
		3.3.1 Exterior Improvements	8
		3.3.2 Building Description	9
		3.3.3 Utilities	9
	3.4	CURRENT SITE USE	9
	3.5	ENVIRONMENTAL SETTING	9
		3.5.1 Topography	9
		3.5.2 Subsurface Geologic Conditions	9
		3.5.3 Groundwater Depth and Flow Direction	10
4.0	HIST	ORICAL RECORDS REVIEW	11
	4.1	PRIOR OWNERSHIP	11
	4.2	PRIOR SITE AND SURROUNDING PROPERTIES USES	11
	4.3	PREVIOUS ENVIRONMENTAL INVESTIGATIONS	14
5.0	REG	ULATORY REVIEW	15
	5.1	STANDARD ENVIRONMENTAL RECORD SOURCES	15
		5.1.1 Federal Regulatory Records	16
		5.1.2 State and Tribal and EDR Proprietary Regulatory Records	18
	5.2	ADDITIONAL ENVIRONMENTAL RECORD SOURCES	20
6.0	ON-S	TTE ENVIRONMENTAL ASSESSMENT	21
	6.1	STORAGE TANKS	21
		6.1.1 Underground Storage Tanks (USTs)	21
		6.1.2 Aboveground Storage Tanks (ASTs)	21
	6.2	ASBESTOS-CONTAINING MATERIALS (ACMs)	21
	6.3	LEAD-BASED PAINT (LBP) AND OTHER LEAD-CONTAINING MATERIALS	
		(LCMs)	21
	6.4	HAZARDOUS MATERIALS USAGE	21
	6.5	SOLID WASTE MANAGEMENT	21
	6.6	HAZARDOUS WASTE MANAGEMENT	21
	6.7	POLYCHLORINATED BIPHENYLS (PCBs)	22

	6.8	MERCURY	.22
	6.9	WATER AND WASTEWATER/STORMWATER	.22
		6.9.1 Water Supply	.22
		6.9.2 Wastewater	.22
		6.9.3 Stormwater	.22
	6.10	SURFACE WATER AND WETLANDS	.22
	6.11	RADON	.23
	6.12	AIR EMISSIONS	.23
	6.13	DRYCLEANING OPERATIONS	.23
	6.14	MICROBIAL GROWTH AND MOISTURE INTRUSION	.23
	6.15	ENVIRONMENTAL NON-COMPLIANCE ISSUES	.23
	6.16	VAPOR INTRUSION	.23
	6.17	SITE-SPECIFIC ENVIRONMENTAL ISSUES	.23
7.0	REVIE	W OF NEARBY/ADJACENT PROPERTIES	.24
8.0	USER	PROVIDED INFORMATION	.25
	8.1	LAND TITLE AND JUDICIAL RECORDS FOR ENVIRONMENTAL LIENS OR	
		ACTIVITY AND USE LIMITATIONS (AULs)	.25
	8.2	COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION	.25
	8.3	SPECIALIZED KNOWLEDGE OR EXPERIENCE	.25
	8.4	ACTUAL KNOWLEDGE	.25
	8.5	VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES	.25
	8.6	REASONS FOR PHASE I ESA PERFORMANCE	.25
9.0	INTER	VIEWS	.26
	9.1	INTERVIEW WITH SITE OWNER	.26
	9.2	INTERVIEW WITH SITE MANAGER	.26
	9.3	INTERVIEW WITH OCCUPANTS	.26
	9.4	INTERVIEW WITH PAST OWNERS, OPERATORS, AND OCCUPANTS	.26
	9.5	INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS	.26
	9.6	INTERVIEWS WITH OTHERS	.26
10.0	FINDI	NGS, OPINIONS, AND CONCLUSIONS	.27
	10.1	FINDINGS, OPINIONS, AND CONCLUSIONS	.27
	10.2	RECOMMENDATIONS	.27
11.0	CONC	LUSION	.28
12.0	DEVIA	ATIONS	.29
13.0	REFER	RENCES	.30
14.0	SIGNA	TURES OF ENVIRONMENTAL PROFESSIONALS	.32
15.0	QUAL	IFICATIONS OF ENVIRONMENTAL PROFESSIONALS	.33

FIGURES

Figure 1:	Site Location Map
Figure 2:	Site Map

APPENDICES

- Photographic Documentation Appendix A:
- EDR Regulatory Database Report EDR Historical Documentation Appendix B:
- Appendix C:
- Appendix D: Additional Relevant Documentation
- Appendix E: **Records of Communication**
- Appendix F: Resumes
- Appendix G: Phase I ESA Shelf Life Summary

PHASE I ENVIRONMENTAL SITE ASSESSMENT Wingate Park Stormwater BMP Project 735 North Glendora Avenue Covina, California 91724 Project No. T37741

1.0 SUMMARY AND CONCLUSIONS

On September 14, 2017, Tetra Tech, Inc. (Tetra Tech) was authorized by Mr. Paul J. Philips, City Manager with the City of Industry, to conduct a Phase I Environmental Site Assessment (ESA) of the property referenced as the Wingate Park Stormwater Best Management Practice (BMP) Project located at 735 North Glendora Avenue in Covina, California (the Site). The Phase I ESA included visual observation of the Site, inspection of the surrounding properties from curbside, review of historical property ownership and use, review of regulatory listings, review of Internet resources, and interviews with persons knowledgeable about the Site. The following provides a summary of Tetra Tech's findings, conclusions, and recommendations.

Wingate Park (approximately 14.45 acres) is located west of the intersection of North Glendora Avenue and East Clover Place, on the west side of North Glendora Avenue. The area defined as the Site for this Phase I ESA includes the area proposed to be redeveloped with a 7,400,000-gallon stormwater underground storage/infiltration system and pump station/discharge line located in the eastern portion of Wingate Park, and the area proposed to be redeveloped with a pre-treatment system and storm drain diversion system in the southeastern portion of Wingate Park. The storm drain diversion system will be connected to an existing Los Angeles County Flood Control District (LACFCD) storm drain. At the time of the Site visit, the area to be redeveloped with the stormwater underground storage/infiltration system was developed with grassy areas and asphalt-paved parking, the areas to be redeveloped with the pump station/discharge line and the pre-treatment system and storm drain diversion system were developed with grassy areas. No areas of surficial staining or areas of stressed vegetation were observed. Current use of the Site is not considered to be a recognized environmental condition (REC).

According to historical sources reviewed, the Site was undeveloped or vacant land from at least 1894 to at least 1927, agricultural land (groves and field or row crops) from at least 1928 to at least 1966, and developed with Wingate Park by 1970. The area within Wingate Park to be developed with a stormwater underground storage/infiltration system has been undeveloped or vacant land including primarily grassy areas since the park was developed. An asphalt-paved parking area has been present in this area since at least 2002.

Historical agricultural activities at the Site may have been subject to the application of pesticides and herbicides, which potentially could contain a number of hazardous substances. Based on the grading and development of the Site, it is unlikely in Tetra Tech's experience that elevated concentrations of pesticide- or herbicide-related hazardous substances would remain in Site soils; however, this can only be verified with soil sampling. Historical agricultural use of the Site is considered to be a *de minimis* condition.

Stormwater is expected to percolate into the ground in unpaved areas at the Site and/or flow onto adjacent properties and streets located topographically downslope from the Site. No evidence of stormwater runoff controls was observed and no stormwater pollution prevention plan (SWPPP) or General Permit for Discharges of Stormwater Associated with Construction Activity (Construction Stormwater Permit) was found for the Site during the conduct of this assessment. When planned redevelopment starts at the Site, it is expected that a Construction Stormwater Permit will be required. This, however, should not be considered a regulatory compliance audit. The expected requirement of a Construction Stormwater Permit for redevelopment of the Site is considered to be a business environmental risk (BER).

According to a geotechnical report by others (Ninyo & Moore, 2015), one soil boring was advanced to 100.5 feet below ground surface (bgs) in the northeastern part of Russell Kahler Park, within the area proposed to be redeveloped with a 7,400,000-gallon stormwater underground storage/infiltration system. Soils encountered in the boring were described as fill materials extending from the ground surface to a depth of approximately 3.5 feet bgs, and alluvium extending from approximately 3.5 feet bgs to the bottom of the boring. The source of the fill material is unknown. The fill material, of unknown provenance, is considered to be a potential environmental concern (PEC).

Site observations and the information reviewed for this assessment did not indicate RECs, controlled RECs (CRECs), historical RECs (HRECs), PECs, or BERs associated with the Site regarding environmental liens, activity use limitations (AULs), aboveground storage tanks (ASTs), underground storage tanks (USTs), current or historical hazardous materials usage, solid waste management, current or historical hazardous waste management, polychlorinated biphenyls (PCBs), mercury, water supply, wastewater, radon, air emissions, drycleaners, microbial growth and moisture intrusion, or environmental non-compliance issues.

No information regarding a potential vapor encroachment condition (VEC) indicative of vapor intrusion (VI) at the Site by volatile compounds was found during this assessment.

The inspection of the abutting properties from curbside and a review of federal, state, and local regulatory agency databases/records did not reveal the presence of off-Site sources that are considered to be RECs to the Site at this time.

According to the Los Angeles County Department of Public Works (LACDPW) Groundwater Wells mapping website, a well located approximately 0.75 miles northeast of the Site had a groundwater depth of 174.8 feet below ground surface (bgs) in June 2009, and a well located approximately one mile west-southwest of the Site had a groundwater depth of 246.8 feet bgs in June 2009. No information was found regarding groundwater flow direction in the vicinity of the Site. Based on topography only, groundwater in the near Site vicinity is presumed to flow towards the southwest. There are, however, limitations to the use of topography as an indicator of groundwater flow direction. It is used here since no other readily available information was found during the conduct of this assessment.

1.1 FINDINGS, OPINIONS, AND CONCLUSIONS

Tetra Tech has performed a Phase I ESA in conformance with the scope of work cited in 40 Code of Federal Regulations (CFR) §312, et seq., and American Society of Testing and Materials (ASTM) Standard Practice E1527-13 (including all appropriate inquiry [AAI]) of the property referenced as the Wingate Park Stormwater BMP Project located at the 735 North Glendora Avenue in Covina, California (the Site). Any exceptions to, or deletions from, the scope of work in 40 CFR §312 or ASTM Standard Practice E1527-13 are described in this Phase I ESA report (Report) where applicable.

Based on the information gathered during the performance of this assessment, and Tetra Tech's understanding of current regulatory guidelines and judgment, the following conclusions have been reached:

• No RECs (including CRECs) or HRECs have been found in connection with the Site.

- Fill material of unknown provenance at the Site is considered to be a PEC.
- When planned redevelopment starts at the Site, it is expected that a Construction Stormwater Permit will be required. The expected requirement of a Construction Stormwater Permit upon redevelopment of the Site is considered to be a BER.
- Historical agricultural use of the Site is considered to be a *de minimis* condition.
- No off-Site facilities are considered to be RECs to the Site at this time.

1.2 RECOMMENDATIONS

Based on the information gathered during the performance of this assessment, current regulatory guidelines, and the judgment of Tetra Tech, the following recommendations are presented for consideration:

- No further assessment or investigation is recommended at this time except for the following:

 Fill material should be sampled and analyzed for chemicals of potential concern (COPCs).
- In the event of any future construction and/or excavation activities at the Site, dust suppression may be necessary during construction activities. Additionally, near-surface soils should be sampled and analyzed for hazardous substances, including herbicide- and pesticide-related hazardous substances, prior to being removed from the Site for any purpose.
- Prior to redevelopment of the Site, contact applicable regulatory agencies to evaluate whether a Construction Stormwater Permit (potentially including a SWPPP) is required to be obtained and implemented.

2.0 INTRODUCTION

On September 14, 2017, Tetra Tech, Inc. (Tetra Tech) was authorized by Mr. Paul J. Philips, City Manager with the City of Industry, to conduct a Phase I Environmental Site Assessment (ESA) of the property referenced as the Wingate Park Stormwater BMP Project located at 735 North Glendora Avenue in Covina, California (the Site).

Tetra Tech conducted this assessment in accordance with the scope and limitations of 40 Code of Federal Regulations (CFR) §312, et seq., and the American Society of Testing and Materials (ASTM) Standard Practice E1527-13 document entitled, "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process," including all appropriate inquiry (AAI).

2.1 PURPOSE AND SCOPE OF SERVICES

The primary purpose of this assessment was to identify recognized environmental conditions (RECs) in connection with the Site. ASTM defines RECs as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions." Where used in this Phase I ESA report (Report), the term REC includes controlled RECs (CRECs).

Information on the Site boundaries was obtained from a location map and Site plans provided to Tetra Tech by the City of Industry, and from observations made during the Site vicinity reconnaissance for boundary features, such as driveways, roads, adjacent buildings, etc. It is outside of the scope of this Phase I ESA, however, to independently verify Site boundaries, and all references to the Site boundaries are considered approximate.

The assessment included a visual reconnaissance of the Site, visual inspection of the surrounding properties from curbside, review of historical ownership and use, review of regulatory listings, and interviews with persons knowledgeable about the Site, as applicable. The following provides a more detailed description of the scope of services:

- Visual inspection of the Site to identify potential for on-Site oil or hazardous material release(s).
- Visual inspection of the Site to evaluate the likelihood that polychlorinated biphenyls (PCBs) are present (e.g., in transformers and fluorescent light ballasts).
- Visual inspection and categorization of the use of abutting and adjacent properties.
- Review of local records related to historical ownership, usage, and Site development. This also included interviewing local environmental authorities, as applicable, to obtain information (if any) regarding complaints, violations, citations, or inspections related to the Site.
- Review of published federal regulatory records related to on-Site activities and to potential off-Site sources of oil or hazardous material impacts. Federal records reviewed include the following:
 - National Priorities List (NPL)
 - Delisted NPL

- Superfund Enterprise Management System (SEMS)
- SEMS Archive
- Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS)
- Treatment, Storage and Disposal (TSD)
- Hazardous Waste Generators (Large Quantity Generator [LQG], Small Quantity Generator [SQG])
- Institutional Controls/Engineering Controls
- Emergency Release Notification System (ERNS)
- Review of readily available state and tribal regulatory records and publications for environmental activities related to the Site and potential off-Site sources of oil or hazardous material impacts. State and tribal records reviewed include the following:
 - State-equivalent NPL (Envirostor, Hist Cal-Sites, CA Bond Ex. Plan)
 - State-equivalent SEMS (Response)
 - Landfill and/or Solid Waste Disposal
 - Leaking Underground Storage Tank (LUST)
 - Underground Storage Tank (UST)
 - Institutional Controls/Engineering Controls
 - o Voluntary Cleanup
 - o Brownfields
- Review of proprietary records maintained by Environmental Data Resources, Inc. (EDR).
- Review of readily available historic Site documents to assess for potential on-Site sources of oil or hazardous material impacts.
- Review of readily available aerial photos for the Site and Site vicinity to evaluate present and historical development/facilities.
- Review of readily available plans and documents relative to construction materials utilized at the Site and any historical renovation activities.
- Visual inspection of the interior and exterior of Site structures to confirm the presence or absence of suspect asbestos-containing materials (ACMs) and lead-based paint (LBP) and other lead-containing materials (LCMs), and to note the presence or absence of obvious (visual or olfactory) mold conditions or water damage.
- Preparation of a Phase I ESA report.

2.2 SIGNIFICANT ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS, SPECIAL TERMS AND CONDITIONS

2.2.1 Significant Assumptions

Information provided by others to Tetra Tech is assumed to be accurate and complete. When provided, Tetra Tech has made reasonable inquiry into the accuracy of such information. Unless such inquiry indicated otherwise, the information was considered to be accurate and complete. As discussed below in this Section 2.2, there are limitations to this assumption.

There were no other significant assumptions made during the conduct of this Phase I ESA.

2.2.2 Limitations and Exceptions

Tetra Tech did not significantly delete or deviate from the scope and limitations set forth in the ASTM Standard Practice E1527-13 document entitled, "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process," except for the following:

- Tetra Tech's visual inspection for suspect ACMs, suspect LBP and other LCMs, and obvious mold/microbial growth/moisture accumulation or water damage was limited to observations in readily and physically accessible areas of the Site. The visual inspection was not a formal survey and was not performed by a certified asbestos, LBP/LCM, or mold inspector.
- Tetra Tech's assessment of the potential presence of radon and wetlands at the Site was limited to review of reasonably ascertainable information.

Our professional services have been performed, our findings obtained, and our conclusions prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties, either expressed or implied. Tetra Tech is not responsible for the independent conclusions, opinions, or recommendations made by others based on the records review, Site inspection, field exploration, and/or laboratory test data presented in this Report.

It should be noted that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn from information obtained from limited research and Site evaluation. Subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at this Site and surrounding properties. This Report does not warrant against future operations or conditions, nor does this Report warrant operations or conditions present of a type or at a location not investigated. This Report is not a regulatory compliance audit.

This assessment is not intended to assess if any soil contamination, waste emplacement, or groundwater contamination exists by subsurface sampling through the completion of soil borings and the installation of monitoring wells. The scope of work, determined by the client, did not include these activities.

Tetra Tech reviewed past ownership of the Site with the intent to evaluate past Site usage. Tetra Tech is not a professional title insurance firm and makes no guarantee, either explicit or implied, that the list which was reviewed represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

Certain information contained in this Report may have been rightfully provided to Tetra Tech by third parties or other outside sources. When provided, Tetra Tech has made reasonable inquiry into the accuracy of such information; however, Tetra Tech does not make any warranties or representations, either expressed or implied, regarding the accuracy of such information, and shall not be held accountable or responsible in the event that any such inaccuracies are present.

2.2.3 Special Terms and Conditions

There were no special terms or conditions associated with this Phase I ESA.

2.3 USER RELIANCE

It is Tetra Tech's understanding that this Phase I ESA is being requested in conjunction with due diligence activities by the City of Industry. Tetra Tech recognizes that this Report is to be used exclusively by the City of Industry, and its successors, lenders, and assigns involved with the pending transaction. It is a report upon which the City of Industry, and its successors, lenders, and assigns involved with the pending transaction, can rely.

3.0 PROPERTY DESCRIPTION

3.1 SITE RECONNAISSANCE

The Site reconnaissance was conducted by Tetra Tech representative Ms. Tanya MacLean on November 14, 2017. Tetra Tech was unaccompanied during the Site reconnaissance. The weather during the Site visit was characterized by sunny and clear skies with temperatures ranging from approximately 60 to 70 degrees Fahrenheit.

In addition to the Site reconnaissance, resources such as geologic maps, wetlands maps, United States Geological Survey (USGS) topographic maps, aerial photographs, and regulatory agency records pertaining to the Site and surrounding properties were reviewed if reasonably ascertainable.

3.2 GENERAL SITE CONDITIONS

Wingate Park is located west of the intersection of North Glendora Avenue and East Clover Place, on the west side of North Glendora Avenue, in Covina, California. Wingate Park is approximately 14.45 acres in size. According to information on the Los Angeles County Assessor's website, Wingate Park occupies two parcels that are designated as Assessor's Parcel Numbers (APNs) 8428-015-902 and 8428-023-901. Refer to Figure 1 – Site Location Map.

The area defined as the Site for this Phase I ESA includes the area proposed to be developed with a 7,400,000-gallon stormwater underground storage/infiltration system and pump station/discharge line located in the eastern portion of Wingate Park, and the area proposed to be developed with a pre-treatment system and storm drain diversion system is in the southeastern portion of Wingate Park. The storm drain diversion system will be connected to an existing Los Angeles County Flood Control District (LACFCD) storm drain.

None of the following features were observed at the Site during the Site reconnaissance: clarifiers, oil/water separators, lifts/hoists, trench drains, wastewater treatment systems, pits, ponds, lagoons, pools of liquid or discolored water, pavement patches indicative of removed subsurface features or subsurface investigation/remediation, evidence of filling, evidence of burning trash or other materials, and wells (dry wells, water supply wells, monitoring wells, extraction wells, injection wells, vapor wells). No strong, pungent, or noxious odors were noted at the Site during the Site reconnaissance.

3.3 SITE IMPROVEMENTS

The Site areas within Wingate Park are improved with grassy areas and asphalt-paved parking. For a layout of the Site, please refer to Figure 2 – Site Map.

3.3.1 Exterior Improvements

As noted above, the Site areas within Wingate Park are improved with grassy areas and asphalt-paved parking.

Off-Site exterior improvements at Wingate Park include a fruit stand, tennis courts, a hockey rink, baseball fields, basketball courts, a playground, and restroom facilities. Several additional small storage structures and metal shipping containers were also observed at Wingate Park. Charter Oak Creek is located along the southern border in the eastern and central portions of Wingate Park. The remainder of

Wingate Park is developed with asphalt-paved walkways and parking, grassy areas, and undeveloped areas covered with vegetation. No areas of staining or stressed vegetation were observed at the Site.

3.3.2 Building Description

No buildings were located on the areas of the Site at Wingate Park.

One building that was constructed by 2002, and apparently used for storage, was observed in the off-Site central western portion of Wingate Park. The small storage structures noted previously have been present at Wingate Park since at least 2002. Restroom facilities and several small storage structures and metal shipping containers were also observed at Wingate Park. No other buildings or structures were observed on the Site.

3.3.3 Utilities

Utilities in the area of the Site are provided by:

Water:	City of Covina.
Sewer:	City of Covina.
Electricity:	Southern California Edison (SCE).
Natural Gas:	Southern California Gas Company (SCGC).

No information on other utilities at the Wingate Park, such as dry wells, septic systems, cesspools, irrigation wells, or drinking water wells, was found during this assessment.

3.4 CURRENT SITE USE

The area to be redeveloped with the stormwater underground storage/infiltration system is developed with grassy areas and asphalt-paved parking. The area to be developed with the pump station/return line is developed with grassy areas. The area to be redeveloped with the pre-treatment system and storm drain diversion system is developed with grassy areas. No areas of surficial staining or areas of stressed vegetation were observed. Current use of the Site is not considered to be a REC.

3.5 ENVIRONMENTAL SETTING

3.5.1 Topography

The location of the Site is shown on the 2012 USGS San Dimas, California, quadrangle topographic map. According to the contour lines on the topographic map, the Site is located at an elevation of approximately 640 to 660 feet above mean sea level (msl). The topography across the Site and adjacent properties generally slopes downward to the southwest.

3.5.2 Subsurface Geologic Conditions

The Site is located within the San Gabriel Valley Groundwater Basin (California Department of Water Resources [CADWR], 2004). The San Gabriel Valley Groundwater Basin includes the water-bearing sediments below most of the San Gabriel Valley and includes a portion of the upper Santa Ana Valley that lies in Los Angeles County. Boundaries of the San Gabriel Valley Groundwater Basin include the Raymond fault and the contact between Quaternary sediments and consolidated basement rocks of the San Gabriel Mountains to the north, exposed consolidated rocks of the Repetto, Merced, and Puente Hills to the south and west, and the Chino fault and the San Jose fault to the east. The water-bearing materials

of this basin are mainly comprised of unconsolidated to semi-consolidated alluvium deposited by streams flowing out of the San Gabriel Mountains. These deposits include Pleistocene-age and Holocene-age alluvium and the lower Pleistocene-age San Pedro Formation. Upper Pleistocene-age alluvium deposits form most of the productive water-bearing deposits in this basin. Holocene-age alluvium deposits and upper Pleistocene-age alluvium deposits are comprised of unsorted, angular to sub-rounded sedimentary deposits ranging from boulder-bearing gravels near the San Gabriel Mountains to sands and silts in the central and western parts of the basin. The lower Pleistocene-age San Pedro Formation is comprised of interbedded marine sand, gravel, and silt.

According to information from a soil survey published by the United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS), soils at Wingate Park are described as the urban land, Palmview-Tujunga complex (fine sandy loam) and urban land, Azuvina-Montebello complex (loam, clay loam, sandy clay loam, and fine sandy loam) (USDA NRCS, 2006).

According to a geotechnical report by others (Ninyo & Moore, 2015), one soil boring was advanced to 100.5 feet below ground surface (bgs) in the northeastern part of Russell Kahler Park, within the area proposed to be redeveloped with a 7,400,000-gallon stormwater underground storage/infiltration system. Soils encountered in the boring were described as fill materials extending from the ground surface to a depth of approximately 3.5 feet bgs, and alluvium extending from approximately 3.5 feet bgs to the bottom of the boring. The fill materials generally consisted of silty sands. The alluvium generally consisted of silty sands and sandy silts. Scattered gravel was also encountered in the fill material and at various depths in the alluvium. Groundwater was not encountered in the soil boring. The source of the fill material is unknown. The fill material, of unknown provenance, is considered to be a potential environmental concern (PEC).

3.5.3 Groundwater Depth and Flow Direction

According to the Los Angeles County Department of Public Works (LACDPW) Groundwater Wells mapping website, a well located approximately 0.75 miles northeast of the Site had a groundwater depth of 174.8 feet bgs in June 2009 and a well located approximately one mile west-southwest of the Site had a groundwater depth of 246.8 feet bgs in June 2009. No information was found regarding groundwater flow direction in the vicinity of the Site. Based on topography only, groundwater in the near Site vicinity is presumed to flow towards the southwest. There are, however, limitations to the use of topography as an indicator of groundwater flow direction. It is used here since no other readily available information was found during the conduct of this assessment.

4.0 HISTORICAL RECORDS REVIEW

Past land uses were reviewed to evaluate if historical practices or conditions may have negatively impacted the Site. This was accomplished via interviews, review of information provided by City of Industry, review of ownership records, agency records, historical city directories, and Sanborn fire insurance maps, and a review and analysis of aerial photographs and topographic maps for the Site and immediate vicinity.

4.1 PRIOR OWNERSHIP

According to information from the Los Angeles County Assessor and the Environmental Lien and Other Activity Use Limitations (AULs) Search reports obtained from Texas Environmental Research, the Site parcels (APNs 8428-015-902 and 8428-023-901) have been owned by the Covina City for at least 10 years. No other information regarding Site ownership prior to 2007 was reasonably ascertainable.

4.2 PRIOR SITE AND SURROUNDING PROPERTIES USES

Prior uses of the Site and surrounding properties were obtained from review of agency records and historical information obtained from EDR (aerial photographs, city directories, and topographic maps). Table 4.2 below is a summary of historical information obtained from EDR (provided in Appendix C).

	Table 4.2 – Prior Uses of Site	and Surrounding Properties	
Decade Starting	Site/Wingate Park	Surrounding Properties	Sources
1890	Undeveloped or vacant land.	Undeveloped or vacant land, and some small structures south of the west end of the Wingate Park property.	T (1894, 1897, 1898)
1900	No significant changes noted.	No significant changes noted.	T (1904)
1910	No sources found.	No sources found.	N/A
1920	Agricultural land (groves). An apparent drainage channel crossed the Wingate Park property from the southeast corner to the central northern portion of the property. No city directory listings for the Site.	 <u>N</u>: Agricultural land (groves). <u>E</u>: Agricultural land (groves) and agricultural-related residences and/or support buildings. <u>S</u>: Agricultural land (groves) and agricultural-related residences and/or support buildings. <u>W</u>: Agricultural land (groves). No city directory listings for surrounding properties. 	A (1928) CD (1920- 1929) T (1925, 1927)
1930	No significant changes noted. No city directory listings for the Site.	 <u>N</u>: No significant changes noted. <u>E</u>: No significant changes noted. <u>S</u>: No significant changes noted. <u>W</u>: No significant changes noted. No city directory listings for surrounding properties. 	A (1938) CD (1930- 1939) T (1939)
1940	No significant changes noted. No city directory listings for the Site.	<u>N</u> : No significant changes noted. <u>E</u> : No significant changes noted. <u>S</u> : No significant changes noted. <u>W</u> : No significant changes noted.	A (1948) CD (1940- 1949)

Table 4.2 – Prior Uses of Site and Surrounding Properties						
Decade Starting	Site/Wingate Park	Surrounding Properties	Sources			
		No city directory listings for surrounding properties.				
1950	By 1953, the western and central portions of the Wingate Park property appeared to be used for row and/or field crops. No city directory listings for the Site.	 <u>N</u>: No significant changes noted. City directory listings for residential tenants (716 North Grand Avenue). <u>E</u>: No significant changes noted. <u>S</u>: Agricultural land (groves and row and/or field crops) and agricultural-related residences and/or support buildings. <u>W</u>: Single-family residences to the southwest of the Wingate Park property. No city directory listings for surrounding 	A (1953) CD (1950- 1958) T (1954)			
1960	By 1964, groves in the eastern portion of the Wingate Park property, and the remainder of the Wingate Park property appeared to be vacant land. By 1964, the drainage channel appeared mostly overgrown with vegetation. Charter Oak Creek was depicted along the southern border in the eastern and central portions of the Wingate Park property. No city directory listings for the Site.	properties.N: The existing mobile home park and several (13 in 1964 and 15 in 1966) of the existing industrial buildings. The remaining areas were vacant land. City directory listings for multiple light industrial tenants, including Fabricare Carpet & Upholstery Cleaners (1006 East Edna Place) and Stable Plating Company (1150 East Edna Place), and residential tenants (716 North Grand Avenue).E: Single-family residences and vacant land.Single-family residences and vacant land. City directory listings for residential tenants.W: Single-family residences and vacant land. City directory listing for Henning Al-Sal Oil Co. (611 North Grand Avenue)	A (1964) CD (1960- 1969) T (1966)			
1970	By 1970, Wingate Park had been constructed. No city directory listings for the Site.	N: Five additional of the existing industrial buildings were present. By 1977, an additional three industrial buildings were present. City directory listings for multiple light industrial tenants, including Bithell (1004 East Edna Place), Short Run Swiss, Inc. Machine Shop (1056 East Edna Place), and Stable Plating Company (1150 East Edna Place), and residential tenants (716 North Grand Avenue).E: Single-family residences and vacant land. S: Single-family residences and vacant land. City directory listings for residential tenants.W: By 1970, a gasoline service station	A (1970, 1977) CD (1970- 1976) T (1972)			

Table 4.2 – Prior Uses of Site and Surrounding Properties						
Decade Starting	Site/Wingate Park	Surrounding Properties	Sources			
		was depicted to the west. By 1977, the existing automotive facility to the northwest was depicted. City directory listing for Henning Auto Paint & Body Repair (645 North Grand Avenue).				
1980	No significant changes noted. No city directory listings for the Site.	N:By 1983, the existing automotive- related facility north of the northwest portion of Wingate Park was present.City directory listings for multiple light industrial tenants, including Bithell (1004 East Edna Place), Short Run Swiss, Inc., Machine Shop (1056 East Edna Place), Tiffany Plastics (1078 East Edna Place), and Stable Plating Company (1150 East Edna Place), and residential tenants (716 North Grand Avenue).E:Single-family and multi-family residences.S:Single-family residences. City directory listings for residential tenants.W:No significant changes noted. City directory listings for Henning Auto Paint & Body Repair (645 North Grand Avenue) and 1-Day Paint & Body Centers, Inc. (645 North Grand Avenue).	A (1983, 1989) CD (1980- 1986) T (1981)			
1990	No significant changes noted. City directory listing for Kare Youth League (735 North Glendora Avenue).	<u>N</u> : No significant changes noted. City directory listings for multiple light industrial tenants, including Bithell (1004 East Edna Place), Innerspace Corporation (1138 East Edna Place), and Stable Plating Company (1150 East Edna Place), and residential tenants (716 North Grand Avenue). <u>E</u> : No significant changes noted. <u>S</u> : No significant changes noted. City directory listings for residential tenants. <u>W</u> : No significant changes noted. City directory listing for 1-Day Paint & Body Centers, Inc. (645 North Grand Avenue).	A (1990, 1995) CD (1990- 1999)			
2000	By 2002, the existing storage building was depicted in the central southern portion of the Wingate Park property and the existing parking lot was depicted at the east end of the property. No city directory listings for the Site.	<u>N</u> : No significant changes noted. City directory listings for multiple light industrial tenants, including Bithell (1004 East Edna Place), Hi Temp Forming (1112 East Edna Place), and Innerspace Corporation (1138 East Edna Place), and residential tenants (716 North Grand Avenue). <u>E</u> : No significant changes noted. <u>S</u> : No significant changes noted. <u>S</u> : No significant changes noted. City directory listings for residential tenants. <u>W</u> : No significant changes noted. City directory listing for 1-Day Paint & Body	A (2002, 2005, 2009) CD (2000- 2006)			

Table 4.2 – Prior Uses of Site and Surrounding Properties						
Decade Starting	Site/Wingate Park	Surrounding Properties	Sources			
		Centers, Inc. (645 North Grand Avenue).				
2010	No significant changes noted. No city	<u>N</u> : No significant changes noted. City	A (2010,			
	directory listings for the Site.	directory listings for multiple light	2012)			
		industrial tenants, including Bithell (1004	CD (2010,			
		East Edna Place), Hi Temp Forming	2014)			
		(1112 East Edna Place), Innerspace	T (2012)			
		Corporation (1138 East Edna Place), and				
		Stable Plating Company (1150 East Edna				
		Place).				
		<u>E</u> : No significant changes noted.				
		\underline{S} : No significant changes noted. City				
		directory listings for residential tenants.				
		<u>W</u> : No significant changes noted. City				
		directory listing for 1-Day Paint & Body				
		Centers, Inc. (645 North Grand Avenue).				
N = north, E = east, S = south, W = west.						
Sources:						
A = aerial photograph (year in parentheses), CD = city directory abstract (year in parentheses), T = topographic						
map (year in parentheses), and $N/A =$ not applicable. No Sanborn fire insurance maps depicting the Site were						

found by EDR.

According to historical sources reviewed, the Site was undeveloped or vacant land from at least 1894 to at least 1927, agricultural land (groves and field or row crops) from at least 1928 to at least 1966, and developed with Wingate Park by 1970. The area within Wingate Park to be developed with a stormwater underground storage/infiltration system has been undeveloped or vacant land including primarily grassy areas since the park was developed. An asphalt-paved parking area has been present in this area since at least 2002.

Historical agricultural activities at the Site may have been subject to the application of pesticides and herbicides, which potentially could contain a number of hazardous substances. Based on the grading and development of the Site, it is unlikely in Tetra Tech's experience that elevated concentrations of pesticide- or herbicide-related hazardous substances would remain in Site soils; however, this can only be verified with soil sampling. Historical agricultural use of the Site is considered to be a *de minimis* condition.

4.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Tetra Tech requested previous environmental investigation reports for the Site from the City of Industry. No previous environmental investigation and/or assessment reports were provided to Tetra Tech. No previous environmental investigation and/or assessment reports for the Site were found during this assessment.
5.0 **REGULATORY REVIEW**

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

Tetra Tech procured and reviewed a computer-generated database report from EDR. The EDR database report is provided in Appendix B. A review of databases and files from federal, state, and local environmental regulatory agencies was conducted to identify use, generation, storage, treatment, or disposal of hazardous materials and chemicals, or release incidents of such materials which may impact the Site. The databases discussed in the following section address ASTM requirements. Additional federal and state databases were reviewed. Please refer to the EDR database report for a detailed listing.

Included in the EDR report is an orphan summary. This summary lists facilities that are contained on one of the above-referenced databases or lists, but for which complete or accurate geographic data was not available. Consequently, EDR was unable to map the facilities in relation to the Site. This list was reviewed during Site reconnaissance to evaluate whether the properties referenced are within ASTM search distances. Properties within ASTM distances were incorporated into Tetra Tech's review.

Table 5.1 – EDR Database Summary				
Database	Radius	Site	Surrounding Facilities	
Federal				
National Priorities List (NPL)	1 Mile	No	0	
Proposed NPL	1 Mile	No	0	
Delisted NPL	1 Mile	No	0	
Superfund Enterprise Management System (SEMS [formerly Comprehensive Environmental Response, Compensation, and Liability Information System – CERCLIS])	½ Mile	No	0	
SEMS-Archive	1⁄2 Mile	No	1	
Resource Conservation and Recovery Act (RCRA) Corrective Action Treatment, Storage, and Disposal (TSD) Facilities (CORRACTS)	1 Mile	No	0	
RCRA Non-Corrective Action (TSD) Facilities	1⁄2 Mile	No	0	
RCRA Waste Generators	Site & adjacent	No	6	
RCRA Non-Generators (NonGen)	Site & adjacent	No	0	
US Brownfields	¹∕₂ Mile	No	0	
2020 Corrective Action (2020 COR ACTION)	1⁄4 Mile	No	0	
Areas of Concern (AOCONCERN)	1 Mile	No	0	
Record of Decision (ROD)	1 Mile	No	0	
CONSENT	1 Mile	No	0	
United States Aerometric Information Retrieval System Facility Subsystem (US AIRS)	Site	No	N/A	
Institutional Control/Engineering Control (IC/EC)	Site	No	N/A	
Emergency Response Notification System (ERNS)	Site	No	N/A	
State and Tribal and EDR Proprietary				
CA Response	1 Mile	No	0	
Envirostor	1 Mile	No	4	

A summary of the EDR database information is provided in Table 5.1.

Table 5.1 – EDR Database Summary				
Database	Radius	Site	Surrounding Facilities	
Solid Waste Facilities/Landfill Sites (SWF/LF)	¹∕₂ Mile	No	0	
Recycling Facilities (SWRCY)	¹∕₂ Mile	No	1	
Leaking Underground Storage Tank (LUST)	1⁄2 Mile	No	15	
Cortese/Hist Cortese	¹∕₂ Mile	No	11	
Aboveground Storage Tank (AST)	Site & adjacent	No	0	
Underground Storage Tank (UST) databases	Site & adjacent	No	3	
Spills, Leaks, Investigations, and Cleanups (SLIC)	1/2 Mile	No	0	
Voluntary Cleanup Program (VCP)	1⁄2 Mile	No	0	
Drycleaners	¹ / ₄ Mile	No	0	
Hazardous Waste and Corrective Action Facilities (HWP)	1 Mile	No	0	
Air Emissions (EMI)	Site	No	N/A	
Tribal databases	Various	No	0	
HIST Cal Sites	1 Mile	No	0	
CA Bond Exp. Plan	1 Mile	No	0	
Texas Industrial Hazardous Waste	¹ / ₄ Mile	No	0	
California Hazardous Material Incident Report System (CHMIRS)	Site	No	N/A	
National Pollutant Discharge Elimination System (NPDES)	Site	No	N/A	
Los Angeles County Site Mitigation (LA Co. Site Mitigation)	Site	No	N/A	
EDR Manufactured Gas Plants	1 Mile	No	0	
EDR Historical Auto Stations	¹ / ₄ Mile	No	9	
EDR Historical Cleaners	¹ / ₄ Mile	No	2	
EDR Recovered Government Archive (RGA) Landfill	1⁄2 Mile	No	0	
RGA LUST	1/2 Mile	No	0	
<u>Note</u> : NA = Not applicable.				

5.1.1 Federal Regulatory Records

According to EDR, Wingate Park was not reported on the federal databases listed in Table 5.1.

Off-Site facilities located within ASTM search distances were reported by EDR to be listed on the following federal regulatory agency databases in Table 5.1: SEMS-Archive and RCRA Waste Generators. Properties adjacent to Wingate Park and/or the Site within the ASTM search distances were listed and are discussed below. Refer to the EDR database report in Appendix B for information regarding all of the listings. Based on information contained in the EDR database report, distance from the Site, presumed groundwater flow direction, and/or regulatory agency status, there was no information indicating a specific REC to the Site associated with the off-Site listings.

Covina Head & Motor – 803 North Glendora Avenue

This facility was formerly located adjacent to the north of Wingate Park beyond a railroad track, and approximately 100 feet north and upgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the RCRA Waste Generators database as a small quantity generator (SQG) in 1986. Types of hazardous wastes generated by this facility were not reported. No violations were reported by EDR for this facility, and it was not listed in any databases as having had a release. Based on the regulatory status, this adjacent former facility is not considered to be of environmental concern to the Site.

Stabile Plating Co. Inc. – 1150 East Edna Place

This facility is located adjacent to the north of Wingate Park beyond a railroad track, and approximately 450 feet west and crossgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the RCRA Waste Generators database as a large quantity generator (LQG) in 1980 and 1984 and a SQG in 1996. Types of hazardous wastes generated by this facility were not reported. One violation was reported by EDR for this facility and it was related to "generators – general" in 1994, and had a status of "achieved compliance" by 1999. This facility was not listed in any databases as having had a release. Based on the regulatory status, distance from the Site, and presumed groundwater flow direction, this facility is not considered to be of environmental concern to the Site.

1-Day Paint and Body Centers, Inc. – 645 North Grand Avenue

This facility was formerly located adjacent to the northwest of Wingate Park beyond North Grand Avenue, and approximately 0.4 miles west and crossgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the RCRA Waste Generators database as a LQG in 1986 and a SQG in 1996. Types of hazardous wastes generated by this facility were not reported. No violations were reported by EDR for this facility, and it was not listed in any databases as having had a release. Based on the regulatory status, distance from the Site, and presumed groundwater flow direction, this former facility is not considered to be of environmental concern to the Site.

G and K Machine Co., Inc. – 1236 East Edna (mistakenly listed as Eona) Place

This facility was formerly located adjacent to the north of Wingate Park beyond a railroad track, and approximately 100 feet north and upgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the RCRA Waste Generators database as a SQG in 1991. Types of hazardous wastes generated by this facility were not reported. No violations were reported by EDR for this facility, and it was not listed in any databases as having had a release. Based on the regulatory status, this former facility is not considered to be of environmental concern to the Site.

Western Meter Exchange – 1006 East Edna Place

This facility was formerly located adjacent to the north of Wingate Park beyond a railroad track, and approximately 0.25 miles west and crossgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the RCRA Waste Generators database as a SQG in 1997. Types of hazardous wastes generated by this facility were not reported. No violations were reported by EDR for this facility, and it was not listed in any databases as having had a release. Based on the regulatory status, distance from the Site, and presumed groundwater flow direction, this former facility is not considered to be of environmental concern to the Site.

Perlux – 1242 East Edna Place

This facility was formerly located adjacent to the north of Wingate Park beyond a railroad track, and approximately 100 feet north and upgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the RCRA Waste Generators database as a LQG in 1986 and a SQG in 1996. Types of hazardous wastes generated by this facility were not reported. No violations were reported by EDR for this facility, and it was not listed in any databases as having had a release. Based on the regulatory status, this former facility is not considered to be of environmental concern to the Site.

5.1.2 State and Tribal and EDR Proprietary Regulatory Records

Wingate Park was not reported by EDR to be listed on the state and tribal regulatory agency databases or EDR proprietary databases listed in Table 5.1.

Several off-Site facilities located within ASTM search distances were reported by EDR to be listed on the following state regulatory agency databases in Table 5.1: Envirostor, SWRCY, LUST, Cortese/Hist Cortese, and UST databases. Properties adjacent to Wingate Park and/or the Site within the ASTM search distances were listed and are discussed below. Refer to the EDR database report in Appendix B for information regarding all of the listings. Based on information contained in the EDR database report, distance from the Site, presumed groundwater flow direction, and/or regulatory agency status, there was no information indicating a specific REC to the Site associated with the off-Site listings.

Stabile Plating Co. Inc. – 1150 East Edna Place

This facility is located adjacent to the north of Wingate Park beyond a railroad track, and approximately 450 feet west and crossgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the Envirostor database as a tiered permit facility with a status of "refer to another agency". This facility was not listed in any databases as having had a release. Based on the regulatory status, distance from the Site, and presumed groundwater flow direction, this facility is not considered to be of environmental concern to the Site.

Golden State Enterprises – 601 North Grand Avenue

This property is located adjacent to the west of Wingate Park beyond North Grand Avenue, and approximately 0.4 mile west-southwest and crossgradient of the downgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the UST and LUST databases.

This facility was listed in the UST database as having underground storage tanks (USTs). This facility was listed in the LUST database as having had a release of diesel that impacted the soil in 2017. The status for the case is "pending review".

Tetra Tech reviewed records available for this facility at the LACDPW – Environmental Programs (LACDPW – EP). According to LACDPW records, four USTs are located at this facility, including three 20,000-gallon gasoline USTs and one 20,000-gallon diesel UST. During the most recent 2016 monitoring system certifications, no issues were found with the USTs. During the 2015 UST inspection, two violations were reported related to replacing a leak detector without a permit and the secondary pipe at the diesel sump pump leaking diesel into the sump. This facility was issued a permit to upgrade the UST system in 2016, including installing new dispensers and a new fuel dispenser under-dispenser containment (UDC). According to a Soil Sampling Results Related to UDC Replacement report (ALTA EM, Inc., 2017), during upgrading activities, two confirmation soil samples were collected from below the replaced fuel dispenser UDC and analyzed for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylene (BTEX). One of samples, which had been collected from below the east side of the UDC piping, had a TPH as diesel (TPHd) concentration of 12,100 milligrams per kilogram (mg/kg). Based on the results of the soil sampling from below the replaced fuel dispenser UDC, the LACDPW – EP referred this case to the California Regional Water Quality Control Board – Los Angeles Region (LARWQCB) on January 5, 2017. No additional records related to this case were found at the LARWQCB.

Based on the records reviewed, media impacted, distance from the Site, presumed groundwater flow direction, and agency oversight, this facility is not considered to be of environmental concern to the Site.

Al-Sal Oil #23 – 601 North Grand Avenue

This property is located adjacent to the west of Wingate Park beyond North Grand Avenue, and approximately 0.4 mile west-southwest and crossgradient of the downgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the LUST, SWEEPS UST, CA FID UST, and HIST Cortese databases.

This facility was listed in the UST databases as having had four USTs. This facility was reported in the LUST database as having had a release of gasoline that impacted the soil in 1998. The case has a status of "closed".

Tetra Tech reviewed records available for this facility at the LARWQCB and LACDPW –EP. According to an Underground Storage Tank Case Review Form (LARWQCB, 1998a), four USTs, including three 20,000-gallon unleaded gasoline USTs and one 20,000-gallon diesel UST, were removed and replaced with double-walled USTs at this facility in June 1995. In 1995, upon removal of the USTs, impacted soil, including TPH as gasoline (TPHg) up to 10,000 mg/kg, TPHd up to 5,620 mg/kg, benzene up to 85 mg/kg, toluene up to 590 mg/kg, ethylbenzene up to 170 mg/kg, and xylene up to 1,040 mg/kg, was found. The LARWQCB required additional investigation in the area of the former USTs in 1998. In 1998, results of soil sampling and analyses reported the following analyte concentrations: TPHg up to 100 mg/kg, TPHd up to 2.7 mg/kg, benzene up to 2.4 mg/kg, toluene up to 2.3 mg/kg, ethylbenzene up to 2.3 mg/kg, and xylene up to 3.9 mg/kg. The 1998 samples were also analyzed for methyl tertiary butyl ether (MTBE), which was detected at concentrations up to 5.5 mg/kg. The LARWQCB concluded that the lateral extent of the impacts had been defined. The LARWQCB issued a no further action letter dated March 23, 1998, related to this release.

Based on the records reviewed, media impacted, distance from the Site, presumed groundwater flow direction, and agency oversight and issued no further action letter, this facility is not considered to be of environmental concern to the Site.

Bithell, Inc. – 1004 East Edna Place

This facility was formerly located adjacent to the north of Wingate Park beyond a railroad track, and approximately 0.25 miles west and crossgradient of the proposed stormwater underground storage/infiltration system (Site). This facility was listed in the SWEEPS UST database.

This facility was listed in the SWEEPS UST database as having had UST(s). This facility was not listed in the LUST database.

Tetra Tech reviewed records available for this facility with the LACDPW – EP. According to a UST Closure Letter (J.D. Brodine & Son, Inc., 1986), two USTs containing paint thinner were removed in 1986. No staining or leaks were found upon removal of the USTs. Four confirmation soil samples were collected upon removal of the USTs. The confirmation soil samples did not have detectable concentrations of paint thinner. The LACDPW – EP issued a letter dated June 15, 1986, concluding that no further investigation was required and allowing the unrestricted use of soils excavated at this facility or the disposal of the soil excavated at this facility at an unclassified disposal facility.

Based on the records reviewed, media impacted, distance from the Site, presumed groundwater flow direction, and agency oversight and issued no further action letter, this facility is not considered to be of environmental concern to the Site.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

<u>California Environmental Protection Agency, Department of Toxic Substances Control (Cal-EPA DTSC)</u> Tetra Tech requested records maintained by the Cal-EPA DTSC. No records were found for the Site.

California Division of Oil, Gas, and Geothermal Resources (CADOGGR)

Tetra Tech reviewed the CADOGGR Online Mapping System database. No oil or gas wells were found on the Site or within a 0.25-mile radius of the Site. The Site is not located within the limits of a producing or abandoned oil, gas, or geothermal field.

National Pipeline Mapping System (NPMS)

Tetra Tech reviewed publicly accessible information maintained by the NPMS on its website. According to information found on this website, no underground oil or refined product pipelines are located within a 0.25-mile radius of the Site.

<u>California Regional Water Quality Control Board – Los Angeles Region (LARWQCB)</u> Tetra Tech requested records maintained by the LARWQCB. No records were found for the Site.

South Coast Air Quality Management District (SCAQMD)

Tetra Tech reviewed publicly accessible records in the Facility INformation Detail (FIND) database maintained by the SCAQMD on its website. No records were found for the Site.

<u>Los Angeles County Department of Public Works – Environmental Programs (LACDPW – EP)</u> Tetra Tech requested records maintained by the LACDPW – EP. No records were found for the Site.

Records were reviewed for properties adjacent to the Site, including Golden State Enterprises and Al-Sal Oil #23 at 601 North Grand Avenue, and Bithell, Inc. at 1004 East Edna Place, as summarized in Section 5.1.2. The LACDPW – EP representative found no other adjacent property records and they did not have additional information other than what was contained in the records reviewed by Tetra Tech.

Los Angeles County Fire Department (LACFD) Tetra Tech requested records maintained by the LACFD. No records were found for the Site.

Covina Building Department (CBD)

Tetra Tech reviewed records for the Site on file at the CBD. No permits were found for Wingate Park.

Covina Planning Department (CPD)

According to CPD information, the Site is located in an area zoned residential (R-1-7500).

6.0 ON-SITE ENVIRONMENTAL ASSESSMENT

6.1 STORAGE TANKS

6.1.1 Underground Storage Tanks (USTs)

No visual evidence (i.e., pipes, vents and dispensers) indicating existing or historic on-Site USTs was observed at the Site during the Site reconnaissance for this Phase I ESA. No information from Site history research and review of records and/or databases maintained by federal, state, county, and city agencies revealed the presence of existing or historic USTs at the Site.

6.1.2 Aboveground Storage Tanks (ASTs)

No visual evidence (i.e., concrete foundation or containment walls, pedestals or steel support structures) indicating existing or historic on-Site ASTs was observed at the Site during the Site reconnaissance for this Phase I ESA. No information from Site history research and review of records and/or databases maintained by federal, state, county and city agencies revealed the presence of existing or historic ASTs at the Site.

6.2 ASBESTOS-CONTAINING MATERIALS (ACMs)

The only buildings and structures located in Wingate Park are located in an off-Site portion of the park. No debris likely to contain ACMs was observed at the Site during the Site reconnaissance for this Phase I ESA.

6.3 LEAD-BASED PAINT (LBP) AND OTHER LEAD-CONTAINING MATERIALS (LCMs)

The only buildings and structures located in Wingate Park are located in an off-Site portion of the park. No debris likely to contain flaking or peeling LBP and other LCMs was observed at the Site during the Site reconnaissance for this Phase I ESA.

6.4 HAZARDOUS MATERIALS USAGE

No hazardous materials were observed within the area of the Site during the Site reconnaissance for this Phase I ESA. No report of historical hazardous materials usage at the Site was found in the documents reviewed for this Phase I ESA.

6.5 SOLID WASTE MANAGEMENT

Solid waste generated at the Site is collected in trash dumpsters stored in the off-Site portion of Wingate Park. Tetra Tech observed no evidence of inappropriate solid waste disposal during this assessment. No staining or evidence of hazardous substance disposal was observed inside or around the trash cans.

6.6 HAZARDOUS WASTE MANAGEMENT

No hazardous wastes were observed during the Site reconnaissance for this Phase I ESA, and no report of historical hazardous waste generation at the Site was found in the documents reviewed for this Phase I ESA.

6.7 POLYCHLORINATED BIPHENYLS (PCBs)

No potentially PCB-containing equipment was observed at the Site during the Site reconnaissance for this Phase I ESA, and no report of historical PCB-containing equipment at the Site was found in the documents reviewed for this Phase I ESA.

A pad-mounted transformer was located near the roller hockey rink in the off-Site portion of Wingate Park. No staining or other evidence of spills was observed on the ground below the transformer.

6.8 MERCURY

No current mercury-containing equipment was observed at the Site during the Site reconnaissance for this Phase I ESA. No report of historical mercury-containing equipment at the Site was found in the documents reviewed for this Phase I ESA.

6.9 WATER AND WASTEWATER/STORMWATER

6.9.1 Water Supply

Potable water in the area of the Site is provided by the City of Covina. Site reconnaissance and review of local records did not reveal the presence of on-Site water supply or irrigation wells. According to the EDR database report, no public water supply wells are located within a 0.25-mile radius of the Site.

6.9.2 Wastewater

No industrial or domestic wastewater is generated at the Site. Domestic wastewater generated at the off-Site portion of Wingate Park is discharged to the City of Covina sanitary sewer system.

6.9.3 Stormwater

Stormwater is expected to percolate into the ground in unpaved areas at the Site and/or flow onto adjacent properties and streets located topographically downslope from the Site. No evidence of stormwater runoff controls was observed and no stormwater pollution prevention plan (SWPPP) or General Permit for Discharges of Stormwater Associated with Construction Activity (Construction Stormwater Permit) was found for the Site during the conduct of this assessment. When planned redevelopment starts at the Site, it is expected that a Construction Stormwater Permit will be required. This, however, should not be considered a regulatory compliance audit. The expected requirement of a Construction Stormwater Permit for redevelopment of the Site is considered to be a business environmental risk (BER).

6.10 SURFACE WATER AND WETLANDS

Charter Oak Creek is located along the southern border in the eastern and central portions of Wingate Park. No other surface water or wetland areas were observed on or adjacent to the Site. The United States Fish and Wildlife Service (USFWS) website interactive mapping service depicted wetland areas along the southern portion of Wingate Park in the location of the Charter Oak Creek. No wetland areas were depicted in the portion of Wingate Park to be developed with stormwater features.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) depicting the Site, Panel Nos. 06037C 1725F, the Site is located in Zone X (unshaded). Zone X

(unshaded) includes areas determined to be outside of the 0.2% annual chance flood plain (500-year flood).

6.11 RADON

The Site is located within a Zone 2 radon area, indicating that the average indoor radon level is greater than or equal to 2.0 picoCuries (pCi/L) of air but less than or equal to 4.0 pCi/L of air. The United States Environmental Protection Agency (USEPA) action level for radon is 4.0 pCi/L. According to state residential radon survey information contained in the EDR database report, 15 tests were conducted within Los Angeles County in the same zip code as the Site. All but one of these tests had a radon concentration below the USEPA action level for radon. According to federal residential radon survey information contained in the EDR database report, 63 tests were conducted within Los Angeles County. All but one of these tests had a radon concentration below the USEPA action level for radon.

6.12 AIR EMISSIONS

There were no observed Site operations involving air emissions that appeared to require permitting, emission controls, or abatement activities. This should not be considered a regulatory compliance audit.

6.13 DRYCLEANING OPERATIONS

There were no observed Site operations involving drycleaning operations.

6.14 MICROBIAL GROWTH AND MOISTURE INTRUSION

No evidence of potential microbial growth and/or moisture intrusion was observed at the Site.

6.15 ENVIRONMENTAL NON-COMPLIANCE ISSUES

No environmental non-compliance issues associated with current Site use were noted at the Site. This should not be considered a regulatory compliance audit.

6.16 VAPOR INTRUSION

No information regarding a potential vapor encroachment condition (VEC) indicative of vapor intrusion (VI) at the Site by volatile compounds was found during this assessment.

6.17 SITE-SPECIFIC ENVIRONMENTAL ISSUES

The following Site-specific environmental issues were found:

- Fill material of unknown provenance at the Site is considered to be a PEC.
- When planned redevelopment starts at the Site, it is expected that a Construction Stormwater Permit will be required. The expected requirement of a Construction Stormwater Permit upon redevelopment of the Site is considered to be a BER.
- Historical agricultural use of the Site is considered to be a *de minimis* condition.

7.0 **REVIEW OF NEARBY/ADJACENT PROPERTIES**

The vicinity of the Site can generally be described as a residential area in Covina, California. Adjoining properties to the Site and Wingate Park observed during the Site vicinity reconnaissance are described below.

- North: The off-Site portion of Wingate Park, beyond which is a railroad track. Beyond the railroad track are a multi-tenant automotive facility (632 North Grand Avenue); Mobileaire Estates (716 North Grand Avenue); a multi-tenant light industrial facility occupied by Vitrocem, Bithell, Inc., and Western Meter Exchange (1004-1006 East Edna Place); The Chute Doctor (1016 East Edna Place); a multi-tenant light industrial facility (1028-1032 East Edna Place); Ocean Marine Sales (1044 East Edna Place); Hawk Industry Products (1056 East Edna Place); Musulman Roofing (1066 East Edna Place); Ken Duncan Corporation (1078 East Edna Place); a vacant lot covered with debris/refuse (1080 East Edna Place); an industrial building with no sign to indicate the tenant (1106-1108 East Edna Place); a multi-tenant light industrial facility (1110-1114 East Edna Place); Lee Arce Development Co. (1116 East Edna Place); K Innerspace Corporation (1138 East Edna Place); SP Stabile Plating Company (1150 East Edna Place); Westside Accessories (1162 East Edna Place); a multi-tenant light industrial facility with one tenant (NTI Enterprises) and a vacant suite (1172-1174 East Edna Place); T and T Metals, Inc. (1184 East Edna Place), G & D Industries, Inc. (1202 East Edna Place); an industrial building with no sign to indicate the tenant (1214 East Edna Place); Phillips Wholesale (1222 East Edna Place); a multi-tenant light industrial facility occupied by T & A Custom Tubes & Applicators and Sinoma CTG (1242-1268 East Edna Place); and a multi-tenant light industrial facility occupied by Graphics United and American Window Company (803-827 North Glendora Avenue).
- East: Beyond North Glendora Avenue are Firebird Liquors (810 North Glendora Avenue), a multi-family residential complex (764-782 North Glendora Avenue), single-family residences (706-758 North Glendora Avenue), and a multi-family residential complex (614-632 North Glendora Avenue).
- South: The off-Site portion of Wingate Park, beyond which are Covina Hills Flowers (905 East Wingate Street) and single-family residences (915-1283 East Wingate Street; 622 and 623 North Dodsworth Avenue; and, 625-632 North Danehurst Avenue).
- West: The off-Site portion of Wingate Park, beyond which are North Grand Avenue, Maaco (645 North Grand Avenue), a railroad track, a parking lot for a restaurant (851 San Bernardino Road), and a 76 gasoline station (611 North Grand Avenue).

The inspection of the abutting properties from curbside and a review of federal, state, and local regulatory agency databases/records did not reveal the presence of off-Site sources that are considered to be RECs to the Site at this time.

8.0 USER PROVIDED INFORMATION

8.1 LAND TITLE AND JUDICIAL RECORDS FOR ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS (AULs)

No information regarding environmental liens or AULs was provided to Tetra Tech by the City of Industry.

Tetra Tech requested a search for environmental liens and other AULs for the Site parcels from Texas Environmental Research in accordance with the scope of work for this assessment. No environmental liens or other AULs were found for the Site parcels (documentation is provided in Appendix D).

8.2 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

No commonly known or reasonably ascertainable information, except for the Site location, was provided to Tetra Tech by the City of Industry.

8.3 SPECIALIZED KNOWLEDGE OR EXPERIENCE

No specialized knowledge or experience regarding the Site was provided to Tetra Tech by the City of Industry.

8.4 ACTUAL KNOWLEDGE

The City of Industry provided Tetra Tech with no actual knowledge with respect to the Site other than as noted above.

8.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The City of Industry provided Tetra Tech with no information indicating there was a valuation reduction for environmental issues associated with the Site.

8.6 REASONS FOR PHASE I ESA PERFORMANCE

It is Tetra Tech's understanding that this Phase I ESA is being requested in conjunction with due diligence activities by the City of Industry.

9.0 INTERVIEWS

9.1 INTERVIEW WITH SITE OWNER

Tetra Tech was not able to interview a representative of the Site owner (City of Covina) for the Site. This data gap is not considered to be significant based on the information reviewed for the Phase I ESA.

9.2 INTERVIEW WITH SITE MANAGER

The Site is occupied by a park and there were no Site managers present to interview at the time of the Site reconnaissance. This data gap is not considered to be significant based on the information reviewed for the Phase I ESA.

9.3 INTERVIEW WITH OCCUPANTS

The Site only has temporary occupants using the park, and there were no occupants to interview at the time of the Site reconnaissance. This data gap is not considered to be significant based on the information reviewed for the Phase I ESA.

9.4 INTERVIEW WITH PAST OWNERS, OPERATORS, AND OCCUPANTS

Past owners, operators, and occupants could not be contacted by Tetra Tech; therefore, these interviews were not conducted. This is not considered to be a data gap, as information regarding past uses of the Site was obtained from other sources and has been previously discussed in this Report.

9.5 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Tetra Tech interviewed local government officials at agencies where records for the Site were available and reviewed by Tetra Tech. Additional information from other interviewed government officials is included in the applicable discussions in previous sections of this Report.

9.6 INTERVIEWS WITH OTHERS

No other interviews were conducted with individuals other than those cited above in this Section 9.0.

10.0 FINDINGS, OPINIONS, AND CONCLUSIONS

10.1 FINDINGS, OPINIONS, AND CONCLUSIONS

In the professional opinion of Tetra Tech, an appropriate level of inquiry has been made into the previous ownership and uses of the Site consistent with good commercial and customary practice with the intent to minimize environmental liability. Based on the information cited in this assessment, and Tetra Tech's understanding of current regulatory guidelines and judgment, the following findings, opinions, and conclusions have been drawn (in addition to the conclusion in Section 11.0):

- No RECs (including CRECs) or HRECs have been found in connection with the Site.
- Fill material of unknown provenance at the Site is considered to be a PEC.
- When planned redevelopment starts at the Site, it is expected that a Construction Stormwater Permit will be required. The expected requirement of a Construction Stormwater Permit upon redevelopment of the Site is considered to be a BER.
- Historical agricultural use of the Site is considered to be a *de minimis* condition.
- No off-Site facilities are considered to be RECs to the Site at this time.

10.2 RECOMMENDATIONS

Based on the information gathered during the performance of this assessment, current regulatory guidelines, and the judgment of Tetra Tech, the following recommendations are presented for consideration:

- No further assessment or investigation is recommended at this time except for the following:
 - Fill material should be sampled and analyzed for chemicals of potential concern (COPCs).
- In the event of any future construction and/or excavation activities at the Site, dust suppression may be necessary during construction activities. Additionally, near-surface soils should be sampled and analyzed for hazardous substances, including herbicide- and pesticide-related hazardous substances, prior to being removed from the Site for any purpose.
- Prior to redevelopment of the Site, contact applicable regulatory agencies to evaluate whether a Construction Stormwater Permit (potentially including a SWPPP) is required to be obtained and implemented.

11.0 CONCLUSION

In the professional opinion of Tetra Tech, an appropriate level of inquiry has been made into the previous ownership and uses of the Site consistent with good commercial and customary practice with the intent to minimize environmental liability. Based on the information cited in this assessment and Tetra Tech's understanding of current regulatory guidelines and judgment, the following conclusion has been drawn:

• Tetra Tech has performed a Phase I ESA of the property referenced as the Wingate Park Stormwater BMP Project located at 735 North Glendora Avenue in Covina, California, (the Site) in conformance with the scope of work cited in 40 CFR §312, et seq., and ASTM Standard Practice E1527-13. This assessment revealed no evidence of RECs in connection with the Site.

12.0 **DEVIATIONS**

There have been no deviations from the scope and limitations set forth in ASTM Standard Practice E1527-13 of which Tetra Tech is aware that would affect the conclusion of this Phase I ESA.

During the conduct of this assessment, there were no data gaps or data failure considered to be significant. Information provided by others to Tetra Tech is assumed to be accurate and complete. When provided, Tetra Tech has made reasonable inquiry into the accuracy of such information. Unless such inquiry indicated otherwise, the information was considered to be accurate and complete. As discussed previously in Section 2.2, there are limitations to this assumption.

13.0 REFERENCES

Documents:

ALTA EM, Inc., 2016, Soil Sampling Results Related to UDC Replacement, 601 N. Grand Avenue, Covina, California: dated October 13, 2016.

American Society of Testing and Materials (ASTM), "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Standard Practice E1527-13: dated November 2013.

California Department of Water Resources (CADWR), 2004, California's Groundwater Bulletin 118: dated 2004.

California Regional Water Quality Control Board – Los Angeles Region (LARWQCB), 1998a, Underground Storage Tank Case Review Form, Al Sal Oil Company #23, 601 North Grand Avenue, Covina, California: dated March 23, 1998.

LARWQCB, 1998b, No Further Action Letter, Al Sal Oil Company #23, 601 North Grand Avenue, Covina, California: dated March 23, 1998.

Environmental Data Resources, Inc. (EDR), 2017a, The EDR-Radius Map[™] Report with GeoCheck[®], Kahler Russell [Wingate] Park, 735 North Glendora Avenue, Covina, California, Inquiry Number 5091224.2s: dated October 30, 2017.

EDR, 2017b, The EDR-City Directory Abstract, Kahler Russell [Wingate] Park, 735 North Glendora Avenue, Covina, California, Inquiry Number 5091224.5: dated October 30, 2017.

J.D. Brodine & Son, Inc., 1986, UST Closure Letter, 1004 Edna Place, Covina, California: dated June 30, 1986.

Los Angeles County Department of Public Works – Environmental Programs (LACDPW – EP), 1986, No Further Investigation Letter, 1004 Edna Place, Covina, California: dated July 15, 1986.

LACDPW – EP, 2017, Letter, Hazardous Substances Underground Storage closure Report, Facility Located at 601 North Grand Avenue, Covina, California: dated January 5, 2017.

Ninyo & Moore, 2015, Geotechnical Services, Kahler Russell [Wingate] Park, Upper San Gabriel River EWMP, Los Angeles County, California: dated June 3, 2015.

Texas Environmental Research, 2017, Environmental Lien and Other Activity Use Limitations (AULs) Search, Parcels 8428-015-902 and 8428-023-901, 735 North Glendora Avenue, Los Angeles County, Covina, California: dated November 1, 2017.

<u>Maps</u>:

EDR, 2017c, Certified Sanborn[®] Map Report, Kahler Russell [Wingate] Park, 735 North Glendora Avenue, Covina, California, Inquiry Number 5091224.3: dated October 30, 2017. No Sanborn maps found.

EDR, 2017d, EDR Historical Topo Map Report with QuadMatchTM, Kahler Russell [Wingate] Park, 735 North Glendora Avenue, Covina, California, Inquiry Number 5091224.4: dated October 30, 2017. Topographic maps dated 1894, 1897, 1898, 1904, 1925, 1927, 1939, 1954, 1966, 1972, 1981, and 2012.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM), Panel No. 06037C 1725F: dated September 26, 2008.

United States Geological Survey (USGS), San Dimas, California, Quadrangle – 7.5-Minute Series Topographic Map: dated 2012.

Agencies/Persons Contacted/Records Reviewed:

Covina Building Department (CBD).

Covina Planning Department (CPD).

California Environmental Protection Agency, Department of Toxic Substances Control (Cal-EPA DTSC).

California Division of Oil, Gas, and Geothermal Resources (CADOGGR).

LACDPW – EP.

LARWQCB.

Los Angeles County Fire Department (LACFD).

National Pipeline Mapping System (NPMS).

South Coast Air Quality Management District (SCAQMD).

United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS).

United States Fish and Wildlife Service (USFWS).

Aerial Photographs:

EDR, 2017e, The EDR Aerial Photo Decade Package, Kahler Russell [Wingate] Park, 735 North Glendora Avenue, Covina, California, Inquiry Number 5091224.9: dated October 30, 2017. Aerial photographs dated 1928, 1938, 1948, 1953, 1964, 1970, 1977, 1983, 1989, 1990, 1995, 2002, 2005, 2009, 2010, and 2012.

14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Ms. Tanya MacLean performed the Site reconnaissance, compiled the Report data, and wrote the Phase I ESA Report. Mr. Steven Grod and Mr. Oliver Galang provided technical review. The signatures of Ms. MacLean, Mr. Grod, and Mr. Galang are included in this section of the Report.

Tanya MacLean

TANYA MACLEAN Due Diligence Scientist Phone: 949-809-5080

the

STEVEN GROD Project Manager Phone: 949-809-5076

OLIVER D. GALANG, P. E. ENV SP Los Angeles Water Resources Engineering Manager Phone: 626-470-2423

We declare 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. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The qualifications of Ms. MacLean, Mr. Grod, and Mr. Galang are summarized in the resumes that are included in Appendix F.

FIGURES Figure 1 – Site Location Map Figure 2 – Site Map





APPENDIX A PHOTOGRAPHIC DOCUMENTATION





Photograph No. 1: Southeast view of Kahler Russell Park.



Photograph No. 2: Northwest view of Kahler Russell Park.





Photograph No. 3: East view of Kahler Russell Park.



Photograph No. 4: Northwest view of the portion of Kahler Russell Park to be redeveloped with a stormwater underground storage/infiltration system.





Photograph No. 5: Southwest view of the portion of Kahler Russell Park to be redeveloped with a stormwater underground storage/infiltration system.



Photograph No. 6: Southeast view of the portion of Kahler Russell Park to be redeveloped with a stormwater underground storage/infiltration system.





Photograph No. 7: Northeast view of the portion of Kahler Russell Park to be redeveloped with a stormwater underground storage/infiltration system.



Photograph No. 8: West view of the portion of Kahler Russell Park to be redeveloped with a stormwater underground storage/infiltration system.





Photograph No. 9: North view of the area to be redeveloped with a pre-treatment system and a storm drain diversion system.



Photograph No. 10: Northwest view of Charter Oak Creek in the off-Site portion of Kahler Russell Park.





Photograph No. 11: Southwest view of a storage building located in the off-Site portion of Kahler Russell Park.



Photograph No. 12: Southwest view of the tennis courts in the off-Site portion of Kahler Russell Park.





Photograph No. 13: West view of the playground in the off-Site portion of Kahler Russell Park.



Photograph No. 14: Northwest view of the roller hockey rink in the off-Site portion of Kahler Russell Park.





Photograph No. 15: Northeast view of the pad-mounted transformer in the off-Site portion of Kahler Russell Park.



Photograph No. 16: Northwest view of the baseball fields in the off-Site portion of Kahler Russell Park.





Photograph No. 17: Northwest view of the basketball courts in the off-Site portion of Kahler Russell Park.



Photograph No. 18: Northwest view of a parking lot in the off-Site portion of Kahler Russell Park.





Photograph No. 19: Northeast view of the fruit stand in the off-Site portion of Kahler Russell Park.



Photograph No. 20: East view of the undeveloped area covered with vegetation in the southern off-Site portion Kahler Russell Park.





Photograph No. 21: West view of a railroad track, located adjacent to and north of Kahler Russell Park.



Photograph No. 22: Northeast view of a multi-tenant automotive facility (632 North Grand Avenue), located adjacent to and north Kahler Russell Park, beyond a railroad track.





Photograph No. 23: Northeast view of Mobileaire Estates (716 North Grand Avenue), located adjacent to and north Kahler Russell Park, beyond a railroad track.



Photograph No. 24: Southwest view of a multi-tenant light industrial facility occupied by Vitrocem, Bithell, Inc. and Western Meter Exchange (1004-1006 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 25: South view of The Chute Doctor (1016 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 26: South view of a multi-tenant light industrial facility (1028-1032 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.




Photograph No. 27: South view of Ocean Marine Sales (1044 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 28: South view of Hawk Industry Products (1056 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 29: South view of Musulman Roofing (1066 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 30: South view of Ken Duncan Corporation (1078 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 31: South view of a vacant lot covered with debris/refuse (1080 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 32: Southwest view of industrial building with no sign to indicate the tenant (1106-1108 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 33: South view of a multi-tenant light industrial facility (1110-1114 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 34: South view of Lee Arce Development Co. (1116 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 35: South view of K Innerspace Corporation (1138 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 36: South view of SP Stabile Plating Company (1150 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 37: South view of Westside Accessories (1162 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 38: South view of a multi-tenant light industrial facility with one tenant (NTI Enterprises) and a vacant suite (1172-1174 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 39: South view of T and T Metals, Inc. (1184 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 40: Southwest view of G & D Industries, Inc. (1202 East Edna Place, located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 41: Southeast view of an industrial building with no sign to indicate the tenant (1214 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 42: Southwest view of Phillips Wholesale (1222 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 43: Northeast view of a multi-tenant light industrial facility occupied by T & A Custom Tubes & Applicators and Sinoma CTG (1242-1268 East Edna Place), located adjacent to and north of Kahler Russell Park, beyond a railroad track.



Photograph No. 44: Northwest view of a multi-tenant light industrial facility occupied by Graphics United and American Window Company (803-827 North Glendora Avenue), located adjacent to and north of Kahler Russell Park, beyond a railroad track.





Photograph No. 45: Northwest view of Firebird Liquors (810 North Glendora Avenue), located adjacent to and northeast of Kahler Russell Park, beyond North Glendora Avenue.



Photograph No. 46: Northeast view of a multi-family residential complex (764-782 North Glendora Avenue), located adjacent to and east of Kahler Russell Park, beyond North Glendora Avenue.





Photograph No. 47: Northeast view of single-family residences (706-758 North Glendora Avenue), located adjacent to and east of Kahler Russell Park, beyond North Glendora Avenue.



Photograph No. 48: Northeast view of a multi-family residential complex (614-632 North Glendora Avenue), located adjacent to and southeast of Kahler Russell Park, beyond North Glendora Avenue.





Photograph No. 49: North view of Covina Hills Flowers (905 East Wingate Street), located adjacent to and south of Kahler Russell Park.



Photograph No. 50: Northwest view of single-family residences, located adjacent to and south of Kahler Russell Park.





Photograph No. 51: Northwest view of Maaco (645 North Grand Avenue), located adjacent to and east of Kahler Russell Park, beyond North Grand Avenue.



Photograph No. 52: West view of a 76 gasoline station (611 North Grand Avenue), located adjacent to and west of Kahler Russell Park, beyond North Grand Avenue.

APPENDIX B EDR REGULATORY DATABASE REPORT

Kahler Russell Park

735 North Glendora Avenue Covina, CA 91724

Inquiry Number: 5091224.2s October 30, 2017

The EDR Radius Map[™] Report with GeoCheck[®]



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

FORM-LBC-ASH

TABLE OF CONTENTS

SECTION

PAGE

Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	143
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

Thank you for your business. Please contact EDR at 1-800-352-0050 with any questions or comments.

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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

735 NORTH GLENDORA AVENUE COVINA, CA 91724

COORDINATES

Latitude (North):	34.0924800 - 34° 5' 32.92''
Longitude (West):	117.8682100 - 117° 52' 5.55"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	419906.7
UTM Y (Meters):	3772555.5
Elevation:	640 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5619080 SAN DIMAS, CA
Version Date:	2012
Southwest Map:	5619056 BALDWIN PARK, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515, 20140527
Source:	USDA

Target Property Address: 735 NORTH GLENDORA AVENUE COVINA, CA 91724

Click on Map ID to see full detail.

MAP					DIST (ft. & mi.)
A1	GOLDEN STATE ENTERPR	601 N GRAND AVE	UST EL	Lower	68, 0.013, West
A2	AL-SAL OIL #23	601 GRAND AVE N	LUST, SWEEPS UST, CA FID UST, HIST CORTESE, LOS	Lower	68, 0.013, West
A3	GOLDEN STATE ENTERPR	601 GRAND AVE N	LUST	Lower	96, 0.018, West
A4	KWIK 23	601 N GRAND AVE	HIST UST	Lower	96, 0.018, West
A5	ALSAL OIL COMPANY	601 N GRAND AV	EDR Hist Auto	Lower	96, 0.018, West
B 6	COVINA HEAD & MOTOR	803 N GLENDORA	RCRA-SQG, FINDS, ECHO	Higher	105, 0.020, ENE
7	CENTERLESS PRECISION	616 N DODSWORTH AVE	RCRA-SQG, FINDS, ECHO	Higher	106, 0.020, SSW
8	MIKE OIL CO INC	546 GLENDORA AVE	EDR Hist Auto	Higher	150, 0.028, East
C 9	BITHELL INC	1004 E EDNA PL	SWEEPS UST, LOS ANGELES CO. HMS	Lower	155, 0.029, West
A10	H AND A TRANSMISSION	648 N GRAND AVE	RCRA-SQG, FINDS, ECHO	Lower	160, 0.030, West
A11	H&A AUTOMOTIVE	644 N GRAND AVE	EDR Hist Auto	Lower	160, 0.030, West
12	ATLAS CLEANERS	930 E WINGATE ST	EDR Hist Cleaner	Lower	211, 0.040, WSW
D13	STABLE PLATING CO IN	1150 E EDNA PL	RCRA-SQG, LOS ANGELES CO. HMS, WDS	Higher	212, 0.040, NE
D14	STABILE PLATING CO I	1150 E EDNA PL	ENVIROSTOR, EMI	Higher	212, 0.040, NE
A15	1-DAY PAINT AND BODY	645 N GRAND AVE	RCRA-SQG	Lower	231, 0.044, West
E16	G AND K MACHINE CO I	1236 E EONA PL	RCRA-SQG, FINDS, ECHO, LOS ANGELES CO. HMS	Higher	251, 0.048, NE
C17	WESTERN METER EXCHAN	1006 E EDNA PLACE	RCRA-SQG, FINDS, ECHO	Lower	255, 0.048, WNW
F18	BARKER TEXACO SERVIC	701 N GRAND	EDR Hist Auto	Lower	306, 0.058, West
F19	J AND M TEXACO	701 N GRAND	HIST UST	Lower	306, 0.058, West
E20	PER LUX INC	1242 E EDNA PLACE	RCRA-SQG, FINDS, ECHO	Higher	319, 0.060, NE
G21	OPTICAL COMPONENTS I	1175 E EDNA PLACE	RCRA NonGen / NLR, ICIS, US AIRS	Higher	328, 0.062, NE
G22	OPTICAL COMPONENTS,	1175 E. EDNA PLACE	RCRA-SQG	Higher	328, 0.062, NE
B23	SPEEDY CLEANERS	830 N GLENDORA AVE	EDR Hist Cleaner	Higher	339, 0.064, NE
24	NORAM CORP	1079 E EDNA PL	RCRA-SQG, FINDS, ECHO	Higher	345, 0.065, North
C25	PROCUREMENT ASSOCIAT	733 N DODSWORTH AVE	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	392, 0.074, NW
D26	AMERACE CORP	813 N CUMMING	RCRA-SQG, FINDS, ECHO	Higher	407, 0.077, NNE
H27	CUSTOM TAMPING & MFG	1274 E CYPRESS ST	RCRA-LQG	Higher	447, 0.085, NE
H28	76 PRODUCTS STATION	856 GLENDORA AVE N	LUST, HIST CORTESE	Higher	472, 0.089, NE
H29	GLENDORA CYPRESS 76	856 N GLENDORA AVE	EDR Hist Auto	Higher	478, 0.091, NE
H30	UNION OIL SERV. STAT	856 N GLENDORA AVE	HIST UST	Higher	478, 0.091, NE
H31	STATION #5012	856 N GLENDORA AVE	HIST UST	Higher	478, 0.091, NE
H32	UNION SERVICE STATIO	856 N GLENDORA AVE	SWEEPS UST, HIST UST, CA FID UST, LOS ANGELES CO.	Higher	478, 0.091, NE
133	WADLEY A E	826 E SAN BERNARDI	EDR Hist Auto	Lower	480, 0.091, WSW
34	EXCELITAS TECHNOLOGI	1330 E CYPRESS ST	RCRA-SQG, EMI	Higher	517, 0.098, ENE
J35	GRAND CAR WASH*	744 N GRAND AVE	EDR Hist Auto	Lower	531, 0.101, WNW
J36	F&W GRAND AUTO CARE	744 NORTH GRAND AVEN	LUST, HIST UST, HIST CORTESE	Lower	531, 0.101, WNW
J37	GRAND CARWASH	744 GRAND AVE N	LUST	Lower	531, 0.101, WNW
J38	GRAND CAR WASH	744 N GRAND AVE	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Lower	531, 0.101, WNW
J39	F&W GRAND AUTO CARE	744 N GRAND AVE	UST, LOS ANGELES CO. HMS	Lower	531, 0.101, WNW

Target Property Address: 735 NORTH GLENDORA AVENUE COVINA, CA 91724

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	R DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	ROTARY COMPONENTS IN	816 E EDNA PL	RCRA-SQG, FINDS, ECHO, EMI	Lower	542, 0.103, West
41	JOLLEY S GARAGE	806 E SAN BERNARDI	EDR Hist Auto	Lower	556, 0.105, WSW
K42	GREEN TRANSMISSIONS	763 N DODSWORTH AVE	EDR Hist Auto	Lower	560, 0.106, NW
K43	SEARS ROEBUCK AND CO	841 N DODSWORTH AVE	HIST UST, CA FID UST, LOS ANGELES CO. HMS	Higher	776, 0.147, NNW
L44	ASSOCIATED VACUUM TE	814 N GRAND AVE	RCRA-SQG, FINDS, ECHO	Lower	846, 0.160, WNW
L45	DUANTLESS MOLDS INC	806 N. GRAND AVE	RCRA-SQG, FINDS, ECHO	Lower	846, 0.160, WNW
46	CLIPPINGER CHEVROLET	777 E EDNA PL	UST, LOS ANGELES CO. HMS, NPDES	Lower	966, 0.183, West
47	K V PRODUCTS	1060 EAST CYPRESS	RCRA-SQG, FINDS, ECHO	Higher	967, 0.183, North
48	USA AUTO PAINT & BOD	632 GRAND AVE	RCRA-SQG, FINDS, ECHO	Lower	1013, 0.192, SW
49	RAYNE WATER	1018 E CYPRESS ST	RCRA-SQG, FINDS, ECHO	Higher	1059, 0.201, NNW
M50	INDUSTRIAL LEED CONT	739 E SAN BERNARDINO	SWEEPS UST, HIST UST, CA FID UST, HAZNET, LOS	Lower	1098, 0.208, West
M51	INDUSTRIAL WEED CONT	739 E SAN BERNARDINO	HIST UST	Lower	1098, 0.208, West
52	VE DUB PLACE THE	19530 CYPRESS ST	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	1146, 0.217, NW
N53	MIKE & SONS	4560 N GRAND AVE	UST	Lower	1187, 0.225, NW
N54	MIKE & SONS ARCO	4560 GRAND AVE N	LUST, HIST CORTESE	Lower	1187, 0.225, NW
N55	CHAN CHEN SHELL SERV	4560 N GRAND AVENUE	HIST UST	Lower	1187, 0.225, NW
M56	WHITLOCK ELECTRIC IN	723 EAST SAN BERNARD	HIST UST	Lower	1228, 0.233, West
57	J&J DOOR CLOSER SERV	716 E EDNA PLACE	RCRA-SQG, FINDS, ECHO	Lower	1317, 0.249, West
058	COVINA ACURA	681 SAN BERNARDINO R	LUST, SWEEPS UST, HIST CORTESE	Lower	1449, 0.274, West
N59	MOBIL #17-EVD	19505 CYPRESS ST E	LUST, HIST CORTESE	Lower	1460, 0.277, NW
060	JONES & ROY COMPANY	620 NORTH COMMERCIAL	ENVIROSTOR	Lower	1598, 0.303, West
O61	JONES & ROY CO	620 COMMERCIAL AVE	SEMS-ARCHIVE, RCRA NonGen / NLR, FINDS, ECHO	Lower	1598, 0.303, West
P62	AMAN BROS INC.	614 EDNA	HIST UST, HIST CORTESE	Lower	1914, 0.363, West
P63	AMAN BROS INC.	614 EDNA PL E	LUST	Lower	1914, 0.363, West
64	CHEVRON #9-9068	106 GRAND AVE S	LUST, HIST CORTESE	Lower	2058, 0.390, SSW
P65	SILVERLINE INDUSTRIE	576 EDNA PL E	LUST, HIST CORTESE	Lower	2079, 0.394, West
66	PRC COLLECTION INC	1023 N GRAND AVE	SWRCY, CHMIRS	Lower	2195, 0.416, NW
67	COVINA CITY FIELD OP	534 N BARRANCA AV	LUST, SWEEPS UST, HIST UST, EMI, HAZNET	Lower	2267, 0.429, West
68	CHARTER OAK HOSPITAL	1161 COVINA BLVD E	LUST, HIST CORTESE	Higher	2307, 0.437, North
69	ELDON DRAPERY CLEANE	551 E. EDNA PLACE	ENVIROSTOR	Lower	2386, 0.452, West
Q70	7-ELEVEN STORE #3350	1075 N GRAND AVENUE	LUST	Lower	2553, 0.484, NNW
Q71	STANDARD OIL CO. (FO	1070 GRAND AVE N	LUST, HIST CORTESE	Higher	2566, 0.486, NNW
72	BROWN INTERNATIONAL	633 N BARRANCA AVE	RCRA-SQG, ENVIROSTOR, LUST, SWEEPS UST, HIST US	ST,Lower	2788, 0.528, West

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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

FEDERAL FACILITY______ Federal Facility Site Information listing SEMS______ Superfund Enterprise Management System

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

LUCIS_____ Land Use Control Information System US ENG CONTROLS_____ Engineering Controls Sites List US INST CONTROL_____ Sites with Institutional Controls

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

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
AST	Aboveground Petroleum Storage Tank Facilities
INDIAN UST	Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP	Voluntary	Cleanup	Progra	m Propertie	s
INDIAN VCP	Voluntary	Cleanup	Priority	/ Listing	

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT	Waste Management Unit Database
HAULERS	Registered Waste Tire Haulers Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
AOCONCERN	San Gabriel Valley Areas of Concern
HIST Cal-Sites	Historical Calsites Database
SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information

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
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formarly Lised Defense Sites
	Department of Defense Sites
SCRD DRVCI EANERS	State Coalition for Remediation of Drycleaners Listing
	Financial Assurance Information
	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	. Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	_ Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	- Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	_ EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	. Cleaner Facilities
EMI	Emissions Inventory Data
ENF	_ Enforcement Action Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly

known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/11/2017 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JONES & ROY CO	620 COMMERCIAL AVE	W 1/4 - 1/2 (0.303 mi.)	O61	107

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 09/13/2017 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CUSTOM TAMPING & MFG	1274 E CYPRESS ST	NE 0 - 1/8 (0.085 mi.)	H27	46

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 21 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COVINA HEAD & MOTOR	803 N GLENDORA	ENE 0 - 1/8 (0.020 mi.)	B6	15
CENTERLESS PRECISION	616 N DODSWORTH AVE	SSW 0 - 1/8 (0.020 mi.)	7	17
STABLE PLATING CO IN	1150 E EDNA PL	NE 0 - 1/8 (0.040 mi.)	D13	21
G AND K MACHINE CO I	1236 E EONA PL	NE 0 - 1/8 (0.048 mi.)	E16	27
PER LUX INC	1242 E EDNA PLACE	NE 0 - 1/8 (0.060 mi.)	E20	32
OPTICAL COMPONENTS,	1175 E. EDNA PLACE	NE 0 - 1/8 (0.062 mi.)	G22	37
NORAM CORP	1079 E EDNA PL	N 0 - 1/8 (0.065 mi.)	24	39
AMERACE CORP	813 N CUMMING	NNE 0 - 1/8 (0.077 mi.)	D26	44
EXCELITAS TECHNOLOGI	1330 E CYPRESS ST	ENE 0 - 1/8 (0.098 mi.)	34	53
K V PRODUCTS	1060 EAST CYPRESS	N 1/8 - 1/4 (0.183 mi.)	47	84
RAYNE WATER	1018 E CYPRESS ST	NNW 1/8 - 1/4 (0.201 mi.)	49	87
Lower Elevation	Address	Direction / Distance	Map ID	Page
H AND A TRANSMISSION	648 N GRAND AVE	W 0 - 1/8 (0.030 mi.)	A10	19

Lower Elevation	Address	Direction / Distance	Map ID	Page
1-DAY PAINT AND BODY	645 N GRAND AVE	W 0 - 1/8 (0.044 mi.)	A15	25
WESTERN METER EXCHAN	1006 E EDNA PLACE	WNW 0 - 1/8 (0.048 mi.)	C17	28
PROCUREMENT ASSOCIAT	733 N DODSWORTH AVE	NW 0 - 1/8 (0.074 mi.)	C25	41
ROTARY COMPONENTS IN	816 E EDNA PL	W 0 - 1/8 (0.103 mi.)	F40	73
ASSOCIATED VACUUM TE	814 N GRAND AVE	WNW 1/8 - 1/4 (0.160 mi.)	L44	77
DUANTLESS MOLDS INC	806 N. GRAND AVE	WNW 1/8 - 1/4 (0.160 mi.)	L45	79
USA AUTO PAINT & BOD	632 GRAND AVE	SW 1/8 - 1/4 (0.192 mi.)	48	85
VE DUB PLACE THE	19530 CYPRESS ST	NW 1/8 - 1/4 (0.217 mi.)	52	91
J&J DOOR CLOSER SERV	716 E EDNA PLACE	W 1/8 - 1/4 (0.249 mi.)	57	98

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 07/31/2017 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STABILE PLATING CO I Facility Id: 71002539 Status: Refer: Other Agency	1150 E EDNA PL	NE 0 - 1/8 (0.040 mi.)	D14	24
Lower Elevation	Address	Direction / Distance	Map ID	Page
JONES & ROY COMPANY Facility Id: 19340730 Status: Refer: Other Agency	620 NORTH COMMERCIAL	W 1/4 - 1/2 (0.303 mi.)	O60	105
ELDON DRAPERY CLEANE Facility Id: 19720036 Status: Refer: 1248 Local Agency	551 E. EDNA PLACE	W 1/4 - 1/2 (0.452 mi.)	69	130
BROWN INTERNATIONAL Facility Id: 71002966 Status: Refer: Other Agency	633 N BARRANCA AVE	W 1/2 - 1 (0.528 mi.)	72	135

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 15 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
76 PRODUCTS STATION Database: LUST REG 4, Date of Gover Database: LUST, Date of Government Status: Completed - Case Closed Facility Id: I-10313 Status: Case Closed Global Id: T0603703605 Global ID: T0603703605	856 GLENDORA AVE N ernment Version: 09/07/2004 Version: 06/12/2017	NE 0 - 1/8 (0.089 mi.)	H28	47
CHARTER OAK HOSPITAL Database: LUST REG 4, Date of Gover Database: LUST, Date of Government Status: Completed - Case Closed Facility Id: R-10146 Status: Case Closed Global Id: T0603704910 Global ID: T0603704910	1161 COVINA BLVD E ernment Version: 09/07/2004 Version: 06/12/2017	N 1/4 - 1/2 (0.437 mi.)	68	128
STANDARD OIL CO. (FO Database: LUST REG 4, Date of Gover Database: LUST, Date of Government Status: Completed - Case Closed Facility Id: R-26898 Status: Case Closed Global Id: T0603705554 Global ID: T0603705554	1070 GRAND AVE N ernment Version: 09/07/2004 Version: 06/12/2017	NNW 1/4 - 1/2 (0.486 mi.)	Q71	132
Lower Elevation	Address	Direction / Distance	Map ID	Page
AL-SAL OIL #23 Database: LUST REG 4, Date of Gover Database: LUST, Date of Government Status: Completed - Case Closed Facility Id: I-09791 Status: Case Closed Global Id: T0603703488 Global ID: T0603703488	601 GRAND AVE N ernment Version: 09/07/2004 Version: 06/12/2017	W 0 - 1/8 (0.013 mi.)	A2	8
GOLDEN STATE ENTERPR Database: LUST, Date of Government Status: Pending Review Global Id: T10000010019	601 GRAND AVE N Version: 06/12/2017	W 0 - 1/8 (0.018 mi.)	A3	12
F&W GRAND AUTO CARE Database: LUST, Date of Government Status: Completed - Case Closed Global Id: T1000000523	744 NORTH GRAND AVEN Version: 06/12/2017	WNW 0 - 1/8 (0.101 mi.)	J36	64

Global Id: T0603730388				
GRAND CARWASH Database: LUST REG 4, Date of Government Ver Database: LUST, Date of Government Ver Status: Completed - Case Closed Facility Id: I-10879 Status: Case Closed Global Id: T0603703670 Global ID: T0603703670	744 GRAND AVE N nent Version: 09/07/2004 ersion: 06/12/2017	WNW 0 - 1/8 (0.101 mi.)	J37	68
MIKE & SONS ARCO Database: LUST REG 4, Date of Government Ve Status: Completed - Case Closed Facility Id: R-05037 Status: Case Closed Global Id: T0603704662 Global ID: T0603704662	4560 GRAND AVE N nent Version: 09/07/2004 ersion: 06/12/2017	NW 1/8 - 1/4 (0.225 mi.)	N54	94
COVINA ACURA Database: LUST REG 4, Date of Government Ve Status: Completed - Case Closed Facility Id: I-12948 Status: Case Closed Global Id: T0603704017 Global ID: T0603704017	681 SAN BERNARDINO R nent Version: 09/07/2004 ersion: 06/12/2017	W 1/4 - 1/2 (0.274 mi.)	O58	100
MOBIL #17-EVD Database: LUST REG 4, Date of Government Ve Database: LUST, Date of Government Ve Status: Completed - Case Closed Facility Id: R-05088 Status: Pollution Characterization Global Id: T0603704666 Global ID: T0603704666	19505 CYPRESS ST E ment Version: 09/07/2004 ersion: 06/12/2017	NW 1/4 - 1/2 (0.277 mi.)	N59	103
AMAN BROS INC. Database: LUST REG 4, Date of Government Ver Database: LUST, Date of Government Ver Status: Completed - Case Closed Facility Id: I-09717 Status: Case Closed Global Id: T0603703478 Global ID: T0603703478	614 EDNA PL E nent Version: 09/07/2004 rrsion: 06/12/2017	W 1/4 - 1/2 (0.363 mi.)	P63	110
CHEVRON #9-9068 Database: LUST REG 4, Date of Governm Database: LUST, Date of Government Ve Status: Completed - Case Closed Facility Id: R-09874 Status: Remedial action (cleanup) Underv Global Id: T0603704871 Global ID: T0603704871	<i>106 GRAND AVE S</i> nent Version: 09/07/2004 rrsion: 06/12/2017 vay	SSW 1/4 - 1/2 (0.390 mi.)	64	113
SILVERLINE INDUSTRIE Database: LUST REG 4, Date of Governm Database: LUST, Date of Government Ver Status: Completed - Case Closed	576 EDNA PL E nent Version: 09/07/2004 rrsion: 06/12/2017	W 1/4 - 1/2 (0.394 mi.)	P65	115

Facility Id: I-15809 Status: Case Closed				
Global Id: T0603704352 Global ID: T0603704352				
COVINA CITY FIELD OP Database: LUST, Date of Government Ve Status: Completed - Case Closed Global Id: T0603711459	534 N BARRANCA AV ersion: 06/12/2017	W 1/4 - 1/2 (0.429 mi.)	67	120
7-ELEVEN STORE #3350 Database: LUST, Date of Government Ve Status: Completed - Case Closed Global Id: T10000000183	1075 N GRAND AVENUE ersion: 06/12/2017	NNW 1/4 - 1/2 (0.484 mi.)	Q70	131

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, has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GOLDEN STATE ENTERPR Database: UST, Date of Governme Facility Id: 9741 Facility Id: LACoFA0012914	601 N GRAND AVE nt Version: 06/12/2017	W 0 - 1/8 (0.013 mi.)	A1	8
F&W GRAND AUTO CARE Database: UST, Date of Governme Facility Id: 25682	744 N GRAND AVE nt Version: 06/12/2017	WNW 0 - 1/8 (0.101 mi.)	J39	72
CLIPPINGER CHEVROLET Database: UST, Date of Governme Facility Id: 13234	777 E EDNA PL nt Version: 06/12/2017	W 1/8 - 1/4 (0.183 mi.)	46	80
MIKE & SONS Database: UST, Date of Governme Facility Id: LACoFA0012900 Facility Id: 5037	4560 N GRAND AVE nt Version: 06/12/2017	NW 1/8 - 1/4 (0.225 mi.)	N53	94

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 09/11/2017 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRC COLLECTION INC Cert Id: RC147008.001	1023 N GRAND AVE	NW 1/4 - 1/2 (0.416 mi.)	66	118

Local Lists of Registered Storage Tanks

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 5 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNION SERVICE STATIO Status: A Tank Status: A Comp Number: 10313	856 N GLENDORA AVE	NE 0 - 1/8 (0.091 mi.)	H32	51
Lower Elevation	Address	Direction / Distance	Map ID	Page
AL-SAL OIL #23 Status: A Tank Status: A Comp Number: 9741	601 GRAND AVE N	W 0 - 1/8 (0.013 mi.)	A2	8
BITHELL INC Status: A Comp Number: 10799	1004 E EDNA PL	W 0 - 1/8 (0.029 mi.)	C9	19
GRAND CAR WASH Status: A Tank Status: A Comp Number: 10879	744 N GRAND AVE	WNW 0 - 1/8 (0.101 mi.)	J38	70
INDUSTRIAL LEED CONT Status: A Tank Status: A Comp Number: 12263	739 E SAN BERNARDINO	W 1/8 - 1/4 (0.208 mi.)	M50	89

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 11 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNION OIL SERV. STAT Facility Id: 00000019956	856 N GLENDORA AVE	NE 0 - 1/8 (0.091 mi.)	H30	49
STATION #5012	856 N GLENDORA AVE	NE 0 - 1/8 (0.091 mi.)	H31	50

Facility Id: 00000041639

UNION SERVICE STATIO SEARS ROEBUCK AND CO Facility Id: 0000006592	856 N GLENDORA AVE 841 N DODSWORTH AVE	NE 0 - 1/8 (0.091 mi.) NNW 1/8 - 1/4 (0.147 mi.)	H32 K43	51 76
Lower Elevation	Address	Direction / Distance	Map ID	Page
KWIK 23 Facility Id: 00000005436	601 N GRAND AVE	W 0 - 1/8 (0.018 mi.)	A4	14
J AND M TEXACO Facility Id: 00000051007	701 N GRAND	W 0 - 1/8 (0.058 mi.)	F19	30
F&W GRAND AUTO CARE Facility Id: 00000017183	744 NORTH GRAND AVEN	WNW 0 - 1/8 (0.101 mi.)	J36	64
INDUSTRIAL LEED CONT INDUSTRIAL WEED CONT Facility Id: 00000007615	739 E SAN BERNARDINO 739 E SAN BERNARDINO	W 1/8 - 1/4 (0.208 mi.) W 1/8 - 1/4 (0.208 mi.)	M50 M51	89 91
CHAN CHEN SHELL SERV Facility Id: 00000041538	4560 N GRAND AVENUE	NW 1/8 - 1/4 (0.225 mi.)	N55	96
WHITLOCK ELECTRIC IN Facility Id: 00000065808	723 EAST SAN BERNARD	W 1/8 - 1/4 (0.233 mi.)	M56	97

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 5 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNION SERVICE STATIO Facility Id: 19002481 Status: A	856 N GLENDORA AVE	NE 0 - 1/8 (0.091 mi.)	H32	51
SEARS ROEBUCK AND CO Facility Id: 19019429 Status: A	841 N DODSWORTH AVE	NNW 1/8 - 1/4 (0.147 mi.)	K43	76
Lower Elevation	Address	Direction / Distance	Map ID	Page
AL-SAL OIL #23 Facility Id: 19008575 Status: A	601 GRAND AVE N	W 0 - 1/8 (0.013 mi.)	A2	8
GRAND CAR WASH Facility Id: 19002404 Status: A	744 N GRAND AVE	WNW 0 - 1/8 (0.101 mi.)	J38	70
INDUSTRIAL LEED CONT Facility Id: 19007243 Status: A	739 E SAN BERNARDINO	W 1/8 - 1/4 (0.208 mi.)	M50	89

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2017 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
OPTICAL COMPONENTS I	1175 E EDNA PLACE	NE 0 - 1/8 (0.062 mi.)	G21	33

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 11 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
76 PRODUCTS STATION Reg Id: I-10313	856 GLENDORA AVE N	NE 0 - 1/8 (0.089 mi.)	H28	47
CHARTER OAK HOSPITAL Reg ld: R-10146	1161 COVINA BLVD E	N 1/4 - 1/2 (0.437 mi.)	68	128
STANDARD OIL CO. (FO Reg ld: R-26898	1070 GRAND AVE N	NNW 1/4 - 1/2 (0.486 mi.)	Q71	132
Lower Elevation	Address	Direction / Distance	Map ID	Page
AL-SAL OIL #23 Reg Id: I-09791	601 GRAND AVE N	W 0 - 1/8 (0.013 mi.)	A2	8
F&W GRAND AUTO CARE Reg ld: I-10879	744 NORTH GRAND AVEN	WNW 0 - 1/8 (0.101 mi.)	J36	64
MIKE & SONS ARCO Reg Id: R-05037	4560 GRAND AVE N	NW 1/8 - 1/4 (0.225 mi.)	N54	94
COVINA ACURA Reg Id: I-12948	681 SAN BERNARDINO R	W 1/4 - 1/2 (0.274 mi.)	O58	100
MOBIL #17-EVD Reg Id: R-05088	19505 CYPRESS ST E	NW 1/4 - 1/2 (0.277 mi.)	N59	103
AMAN BROS INC. Reg ld: I-09717	614 EDNA	W 1/4 - 1/2 (0.363 mi.)	P62	109
CHEVRON #9-9068 Reg Id: R-09874	106 GRAND AVE S	SSW 1/4 - 1/2 (0.390 mi.)	64	113
SILVERLINE INDUSTRIE Reg ld: I-15809	576 EDNA PL E	W 1/4 - 1/2 (0.394 mi.)	P65	115

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 9 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MIKE OIL CO INC	546 GLENDORA AVE	E 0 - 1/8 (0.028 mi.)	8	18
GLENDORA CYPRESS 76	856 N GLENDORA AVE	NE 0 - 1/8 (0.091 mi.)	H29	49
Lower Elevation	Address	Direction / Distance	Map ID	Page
ALSAL OIL COMPANY	601 N GRAND AV	W 0 - 1/8 (0.018 mi.)	A5	15
H&A AUTOMOTIVE	644 N GRAND AVE	W 0 - 1/8 (0.030 mi.)	A11	21
BARKER TEXACO SERVIC	701 N GRAND	W 0 - 1/8 (0.058 mi.)	F18	30
WADLEY A E	826 E SAN BERNARDI	WSW 0 - 1/8 (0.091 mi.)	133	53
GRAND CAR WASH*	744 N GRAND AVE	WNW 0 - 1/8 (0.101 mi.)	J35	62
JOLLEY S GARAGE	806 E SAN BERNARDI	WSW 0 - 1/8 (0.105 mi.)	141	75
GREEN TRANSMISSIONS	763 N DODSWORTH AVE	NW 0 - 1/8 (0.106 mi.)	K42	76

EDR Hist Cleaner: 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.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPEEDY CLEANERS	830 N GLENDORA AVE	NE 0 - 1/8 (0.064 mi.)	B23	39
Lower Elevation	Address	Direction / Distance	Map ID	Page
ATLAS CLEANERS	930 E WINGATE ST	W/SW/0 - 1/8 (0.040 mi.)	12	21

There were no unmapped sites in this report.

OVERVIEW MAP - 5091224.2S



SITE NAME:	Kahler Russell Park	CLIENT:	Tetra Tech Inc.
ADDRESS:	735 North Glendora Avenue		Tanya Maclean
LAT/LONG:	34.09248 / 117.86821	DATE:	October 30, 2017 2:08 pm

DETAIL MAP - 5091224.2S



735 North Glendora Avenue	CONTACT: Tanya Maclean
Covina CA 91724	INQUIRY #: 5091224.2s
34.09248 / 117.86821	DATE: October 30, 2017 2:12 pm
	Copyright © 2017 EDR, Inc. © 2015 TomTom Rel. 2015.

ADDRESS:

LAT/LONG:

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 ENVIRONMEN	ITAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL si	ite list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRAC	CTS facilities l	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COF	RRACTS TSD I	facilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	ors list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		1 14 0	0 7 0	NR NR NR	NR NR NR	NR NR NR	1 21 0
Federal institutional con engineering controls re	ntrols / gistries							
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiv	alent NPL							
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equiv	alent CERCLI	S						
ENVIROSTOR	1.000		1	0	2	1	NR	4
State and tribal landfill a solid waste disposal sit	and/or te lists							
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank l	lists						
LUST	0.500		5	1	9	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
INDIAN LUST SLIC	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal register	ed storage tai	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 2 0 0	0 2 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 4 0 0
State and tribal volunta	ry cleanup site	es						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfi	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME		<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / . Waste Disposal Sites	Solid							
WMUDS/SWAT SWRCY HAULERS INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.001 0.500 0.500 0.500 0.500		0 0 0 0 0 0	0 0 NR 0 0 0 0	0 1 NR 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 1 0 0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
US HIST CDL AOCONCERN HIST Cal-Sites SCH CDL Toxic Pits US CDL	0.001 1.000 1.000 0.250 0.001 1.000 0.001		0 0 0 0 0 0	NR 0 0 NR 0 NR	NR 0 NR NR 0 NR	NR 0 NR NR 0 NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Registere	d Storage Tar	nks						
SWEEPS UST HIST UST CA FID UST	0.250 0.250 0.250		4 6 3	1 5 2	NR NR NR	NR NR NR	NR NR NR	5 11 5
Local Land Records								
LIENS LIENS 2 DEED	0.001 0.001 0.500		0 0 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 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
Records of Emergency I	Release Repo	orts						
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		Ō	NR	NR	NR	NR	0
LDS	0.001		Õ	NR	NR	NR	NR	Ō
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	Ó
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		3	1	7	NR	NR	11
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1 000		0	0	0	0	NR	0
EDR Hist Auto	0.125		9	NŘ	NŘ	NŘ	NR	9
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERN		VES						
Evolusive Pecovered Go	t Archivos	-						
LACIUSIVE RECOVEIED GOV	AICHIVES							
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		0	51	19	20	1	0	91

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Database(s)

A1 West < 1/8 0.013 mi. 68 ft	GOLDEN STATE ENTERPRISES 25 601 N GRAND AVE COVINA, CA 91724 Site 1 of 8 in cluster A	7238	UST	U003776367 N/A
Relative:	UST: Facility ID:	ACoFA0012914		
Actual: 621 ft.	Permitting Agency: L Latitude: 3 Longitude: -	os Angeles County Fire Department 34.09163 117 87268		
	Facility ID: 9 Permitting Agency: L Latitude: 3 Longitude: -	0741 .OS ANGELES COUNTY 04.0919 117.87267		
A2 West < 1/8 0.013 mi. 68 ft	AL-SAL OIL #23 601 GRAND AVE N COVINA, CA 91724 Site 2 of 8 in cluster A		LUST SWEEPS UST CA FID UST HIST CORTESE	S101584111 N/A
00 11.				
Relative: Lower	Region:	STATE		
Actual	GIODAI IO: Latitude:	10603703488		
621 ft.	Longitude:	-117.8726141		
	Case Type:	LUST Cleanup Site		
	Status:	Completed - Case Closed		
	Status Date:	03/23/1998		
	Lead Agency:	LOS ANGELES RWQCB (REGION 4)		
	Case Worker:	Not reported		
	Local Agency:	LOS ANGELES COUNTY		
	RB Case Number:	I-09791 Not reported		
	LOC Case Number:	Not reported		
	Potential Media Affect:	Soil		
	Potential Contaminants of Conc	ern: Gasoline		
	Site History:	Not reported		
	Click here to access the Califorr	nia GeoTracker records for this facility:		
	Contact:			
	Global Id:	T0603703488		
	Contact Type:	Local Agency Caseworker		
	Contact Name:	JOHN AWUJO		
	Organization Name:	LOS ANGELES COUNTY		
	Address:	900 S FREMONT AVE		
	City:	ALHAMBRA		
	Phone Number:	6264583507		
	Status History:			
	Global Id:	T0603703488		
	Status:	Completed - Case Closed		
	Status Date:	03/23/1998		
	Global Id:	T0603703488		
	Status:	Open - Case Begin Date		

06/28/1995

06/28/1995

12/05/1997

02/16/1998

T0603703488

T0603703488

T0603703488

T0603703488

T0603703488

Leak Reported

T0603703488

Leak Discovery

T0603703488

Leak Stopped

08/30/1995

Other 08/30/1995

Other

Other 08/30/1995

11/25/1997

ENFORCEMENT

Open - Site Assessment

Open - Site Assessment

Open - Site Assessment

* Historical Enforcement

Database(s)

EDR ID Number EPA ID Number

AL-SAL OIL #23 (Continued)

Status Date:

Global Id: Status:

Global Id: Status: Status Date:

Status Date:

Global Id: Status: Status Date:

Regulatory Activities: Global Id: Action Type: Date: Action:

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09791	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at	the Site:	OT
Global ID:	T0603703488	
W Global ID:	Not reported	
Staff:	HP	
Local Agency:	19000	
Cross Street:	SAN BERNANDINO F	RD
Enforcement Type:	EF	
Date Leak Discovered:	8/30/1995	
Date Leak First Reported:		8/30/1995
Date Leak Record Entered:	1/4/1996	

S101584111

Database(s)

EDR ID Number EPA ID Number

AL-SAL OIL #23 (Continued)

Date Confirmation Began: 6/28/1995 8/30/1995 Date Leak Stopped: Date Case Last Changed on Database: 3/16/1998 Date the Case was Closed: 3/23/1998 How Leak Discovered: Tank Closure How Leak Stopped: Not reported Cause of Leak: UNK Leak Source: UNK Operator: NORTON ANENBERG Water System: Not reported Well Name: Not reported Approx. Dist To Production Well (ft): 3693.8758825125501209327207525 Source of Cleanup Funding: UNK Preliminary Site Assessment Workplan Submitted: 12/5/1997 Preliminary Site Assessment Began: Not reported Pollution Characterization Began: 2/16/1998 Remediation Plan Submitted: Not reported Remedial Action Underway: Not reported Post Remedial Action Monitoring Began: Not reported Enforcement Action Date: 11/25/1997 Historical Max MTBE Date: Not reported Hist Max MTBE Conc in Groundwater: Not reported Hist Max MTBE Conc in Soil: 380 Significant Interim Remedial Action Taken: Yes GW Qualifier: Not reported Soil Qualifier: Not reported Organization: Not reported **Owner Contact:** Not reported Responsible Party: AL SAL OIL COMPANY **RP** Address: 3410 E. FOOTHILL BLVD., PASADENA, CA 91107 Program: LUST Lat/Long: 34.0921561 / -1 Local Agency Staff: Not reported Beneficial Use: Not reported Not reported Priority: Cleanup Fund Id: Not reported Suspended: Not reported Assigned Name: Not reported SOIL CONTAMINATION FOUND DURING TANKS REMOVAL. Summary: SEVEN ON-SITE SOIL BORINGS TO 45' BGS. WP APPROVED. SAR INDICATED THAT THE EXTENT OF SOIL CONTAMINATION HAS BEEN DEFINEDDEPTH TO GW IS APPROXIMATELY 175' BGS. SWEEPS UST:

Status:	Active
Comp Number:	9741
Number:	9
Board Of Equalization:	44-008547
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009741-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN

S101584111

Database(s)

EDR ID Number EPA ID Number

S101584111

AL-SAL OIL #23 (Continued)

STG:	W
Content:	Not reported
Number Of Tanks:	4
01-11-1	A = 1'
Status:	Active
Comp Number:	9741
Number:	9
Board Of Equalization:	44-008547
Referral Date:	06-30-89
Action Date:	
Created Date:	06-30-89
Owner Tank Id:	
SWRUB Tank Id:	19-000-009741-000002
Tank Status:	A Not reported
Active Date:	
Tank Use:	
SIG: Contont:	VV Not reported
Number Of Tenker	Not reported
Number Of Tanks.	Not reported
Status:	Active
Comp Number:	9741
Number:	9
Board Of Equalization:	44-008547
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009741-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported
0 , <i>i</i>	A
Status:	Active
Comp Number:	9741
Number:	9
Board Of Equalization:	44-008547
Action Date:	Not reported
Action Date:	
Owner Tank Id:	Not reported
SW/PCB Tank Id.	
Tank Status:	Δ
Canacity:	Not reported
Active Date	06-30-89
Tank Use	
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:

Database(s)

EDR ID Number EPA ID Number

S101584111

AL-SAL OIL #23 (Continued)

Regulated By: Regulated ID: Cortese Code: SIC Code: Facility Phone: Mailing Address: Mailing Address 2 Mailing City,St,Zip Contact: Contact Phone: DUNs Number: NPDES Number: EPA ID: Comments: Status:	UTNKA 00005436 Not reported 818000000 Not reported 5121 SUNSET BLVD COVINA Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Active
HIST CORTESE: Region: Facility County Co Reg By: Reg Id:	CORTESE 19 LTNKA I-09791
LOS ANGELES CO.	HMS:
Region:	LA
Permit Category:	T
Facility Id:	009897-009741
Facility Type:	0
Facility Status:	Closed
Area:	6B
Permit Number:	00001022T
Permit Status:	Closed
Region:	LA
Permit Category:	T
Facility Id:	009897-058971
Facility Type:	0
Facility Status:	Permit
Area:	6B
Permit Number:	000769336
Permit Status:	Permit

A3 GOLDEN STATE ENTERPRISES West 601 GRAND AVE N < 1/8 COVINA, CA 91724 0.018 mi.

96 ft.

Site 3 of 8 in cluster A

LUST:

Relative: Lower

Actual:

621 ft.

STATE Region: Global Id: T10000010019 Latitude: 34.09161 Longitude: -117.87264 Case Type: LUST Cleanup Site Status: Pending Review Status Date: 01/11/2017 Lead Agency: LOS ANGELES RWQCB (REGION 4) LUST S119777443 N/A

Database(s)

EDR ID Number EPA ID Number

S119777443

GOLDEN STATE ENTERPRISES (Continued)

Case Worker:	NC
Local Agency:	Not reported
RB Case Number:	R-58971
LOC Case Number:	Not reported
File Location:	Not reported
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: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T10000010019 Regional Board Caseworker NOMAN CHOWDHURY LOS ANGELES RWQCB (REGION 4) 320 WEST 4TH STREET, SUITE 200 LOS ANGELES nchowdhury@waterboards.ca.gov 2135766704
Status History: Global Id: Status: Status Date:	T10000010019 Open - Case Begin Date 01/05/2017
Global Id:	T10000010019
Status:	Pending Review
Status Date:	01/11/2017
Regulatory Activities: Global Id: Action Type: Date: Action:	T10000010019 ENFORCEMENT 01/05/2017 Referral to Regional Board
Global Id:	T10000010019
Action Type:	ENFORCEMENT
Date:	01/13/2017
Action:	Staff Letter
Global Id:	T10000010019
Action Type:	ENFORCEMENT
Date:	03/02/2017
Action:	Staff Letter
Global Id:	T10000010019
Action Type:	RESPONSE
Date:	03/10/2017
Action:	Other Report / Document

Database(s)

EDR ID Number EPA ID Number

A4 West < 1/8	KWIK 23 601 N GRAND AVE COVINA, CA 91724	HIST UST	1000266505 N/A
0.018 ml. 96 ft.	Site 4 of 8 in cluster A		
Relative: Lower	HIST UST: File Number: URL:	00026237 http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026237.pdf	
Actual: 621 ft.	Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip:	STATE 0000005436 Gas Station Not reported MONTRI 2136664471 AL-SAL OIL CO. 5121 SUNSET BLVD. LOS ANGELES, CA 90027	
	Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness:	0004 001 1 1981 00020000 PRODUCT UNLEADED 1/4 Stock Inventor, 10 002 2 1981 00020000 PRODUCT PREMIUM 1/4	
	Container Construction Thickness: Leak Detection: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection:	1/4 Stock Inventor, 10 003 3 1981 00020000 PRODUCT REGULAR 1/4 Stock Inventor, 10 004 4 1981 00020000 PRODUCT DIESEL 1/4 Stock Inventor, 10	

Click here for Geo Tracker PDF:

A5 West < 1/8 0.018 mi.	ALSAL OIL C 601 N GRANE COVINA, CA	OMPANY O AV 91724	EDR Hist Auto	1020312036 N/A
96 ft.	Site 5 of 8 in	cluster A		
Relative: Lower	EDR Hist A	uto		
Actual: 621 ft.	Year: 1 1987 / 1988 / 1989 / 1990 / 1991 / 1992 / 1993 / 1994 / 1995 / 1996 / 1997 / 1998 / 1999 / 2000 / 2001 / 2002 / 2003 /	Name: ALSAL OIL COMPAN ALSAL OIL COMPAN AL-SAL OIL CO INC AL-SAL OIL CO INC	Type:YGasoline Service StationsYGasoline Service StationsGasoline Service Stations	
B6 ENE < 1/8 0.020 mi. 105 ft.	COVINA HEA 803 N GLEND COVINA, CA Site 1 of 2 in 0	D & MOTOR OORA 91724 cluster B	RCRA-SQG FINDS ECHO	1000255621 CAD981429871
Relative: Higher	RCRA-SQC Date forr	G: m received by agency	06/01/1986	
Actual: 663 ft.	Facility n Facility n Facility a EPA ID: Mailing a Contact: Contact Contact Contact Contact EPA Reg Classific Descripti	name: address: address: country: telephone: email: gion: ation: ion:	COVINA HEAD & MOTOR 803 N GLENDORA COVINA, CA 91724 CAD981429871 N GLENDORA COVINA, CA 91724 ENVIRONMENTAL MANAGER 803 N GLENDORA COVINA, CA 91724 US 818-331-0897 Not reported 09 Small Small Quantity Generator 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	of
	Owner/Ope Owner/o Owner/o	erator Summary: perator name: perator address:	EASTON DAVID NOT REQUIRED NOT REQUIRED, ME 99999	

Database(s)

EDR ID Number EPA ID Number

COVINA HEAD & MOTOR (Continued)

Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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 wa	iste: No
Mixed waste (haz, and radioad	tive): No
Recycler of hazardous waste:	No
Transporter of hazardous was	te: No
Treater, storer or disposer of H	IW: 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 burne	er: No
Used oil Specification markete	r: No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status:

No violations found

FINDS:

Registry ID:

110002702567

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.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID Direction		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	COVINA HEAD & MOTOR (Co	ntinued)		1000255621
	ECHO:			
	Envid: Registry ID: DFR URL:	1000255621 110002702567 http://echo.epa.gov/detailed-facility-report	t?fid=110002702567	
7 SSW < 1/8 0.020 mi. 106 ft.	CENTERLESS PRECISION 616 N DODSWORTH AVE COVINA, CA 91724		RCRA-SQG FINDS ECHO	1000595983 CAD983599424
Relative: Higher	RCRA-SQG: Date form received by age	ncy:08/01/1991		
Actual: 651 ft.	Facility name: Facility address:	CENTERLESS PRECISION 616 N DODSWORTH AVE COVINA, CA 91724		
	EPA ID: Mailing address:	CAD983599424 816 N DODSWORTH AVE COVINA, CA 91724		
	Contact: Contact address:	ROBERT BAPTIES 616 N DODSWORTH AVE COVINA CA 91724		
	Contact country:	US		
	Contact telephone:	818-966-0059 Not reported		
	EPA Region:	09		
	Classification: Description:	Small Small Quantity Generator Handler: generates more than 100 and less than 1 waste during any calendar month and accumulates hazardous waste at any time; or generates 100 kg waste during any calendar month, and accumulate hazardous waste at any time	000 kg of hazardous s less than 6000 kg of or less of hazardous s more than 1000 kg of	
	Owner/Operator Summary:			
	Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999		
	Owner/operator country: Owner/operator telephone: Owner/operator email:	Not reported 415-555-1212 Not reported		
	Owner/operator fax:	Not reported		
	Legal status:	Private		
	Owner/Operator Type:	Owner		
	Owner/Op start date: Owner/Op end date:	Not reported Not reported		
	Owner/operator name: Owner/operator address:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999		
	Owner/operator country:	Not reported		
	Owner/operator telephone:	415-555-1212 Not reported		
	Owner/operator fax:	Not reported		
	Owner/operator extension:	Not reported		
	Legal status:	Private Operator		
	Owner/Operator Type:			

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MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

1000595983

	Owner/Op start Owner/Op end o	date: Not date: Not	reported reported			
	Handler Activities S U.S. importer of Mixed waste (ha Recycler of haz Transporter of h Treater, storer of Underground in On-site burner of Furnace exemp Used oil fuel bu Used oil fuel bu Used oil process User oil refiner: Used oil fuel ma Used oil fuel ma Used oil Specifi Used oil transfe Used oil transfe	Summary: hazardous waste: az. and radioactive ardous waste: hazardous waste: or disposer of HW: jection activity: exemption: tion: rner: sor: arketer to burner: cation marketer: r facility: orter:	No No No No No No No No No No No No No N			
	Violation Status	. No	violations found			
	FINDS:	. 110				
	Registry ID:	110	0002856320			
		Click this hyperl additional FIND:	ind Recovery Act (R(ivities related to facili or dispose of hazar track the notificatio or activities required	system that supports the Res CRA) program through the tra tites that generate, transport, dous waste. RCRAInfo allows n, permit, compliance, and under RCRA.	ource cking of s RCRA	
	ECHO: Envid: Registry ID: DFR URL:		1000595983 11000285632 http://echo.ep	20 va.gov/detailed-facility-report?	fid=110002856320	
8 East < 1/8 0.028 mi. 150 ft.	MIKE OIL CO INC 546 GLENDORA AVI WEST COVINA, CA	E 91723			EDR Hist Auto	1022103187 N/A
Relative: Higher	EDR Hist Auto					
Actual: 659 ft.	Year: Name: 1978 MIKE C 1979 MIKE C 1980 MIKE C 1982 MIKE C	IL CO INC IL CO INC IL CO INC IL CO INC		Type: Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations		

EDR ID Number Database(s) EPA ID Number

C9 West < 1/8 0.029 mi. 155 ft.	BITHELL INC 1004 E EDNA PL COVINA, CA 91724 Site 1 of 3 in cluster C	LOS ANGE	SWEEPS UST LES CO. HMS	S102057219 N/A
Relative: Lower Actual: 629 ft.	SWEEPS UST: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id:	Active 10799 9 Not reported 06-30-89 Not reported 06-30-89 Not reported Not reported		
	SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported		
	LOS ANGELES CO. HMS: Region: LA Permit Category: Not re Facility Id: 0108: Facility Type: Not re Facility Status: Remo Area: 6B Permit Number: Not re Permit Status: Not re	eported 34-010799 eported oved eported eported		
A10 West < 1/8 0.030 mi. 160 ft.	H AND A TRANSMISSION 648 N GRAND AVE COVINA, CA 91724 Site 6 of 8 in cluster A		RCRA-SQG FINDS ECHO	1000820060 CAD983660838
Relative:	RCRA-SQG:			
Lower Actual: 624 ft.	Date form received by a Facility name: Facility address:	gency: 03/02/1993 H AND A TRANSMISSION 648 N GRAND AVE		
	EPA ID: Mailing address:	CAD983660838 N GRAND AVE COVINA, CA 91724 COVINA, CA 91724		
	Contact: Contact address:	ROLAND DICKASON 648 N GRAND AVE COVINA, CA 91724		
	Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	US 818-858-9773 Not reported 09 Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg waste during any calendar month and accumulates less th hazardous waste at any time; or generates 100 kg or less	of hazardous han 6000 kg of of hazardous	

EDR ID Number EPA ID Number

Database(s)

H AND A TRANSMISSION (Continued)

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:	
Owner/operator name:	H AND A TRANSMISSION
Owner/operator address:	648 N GRAND AVE
	COVINA, CA 91224
Owner/operator country:	Not reported
Owner/operator telephone:	818-858-9773
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
U.S. importer of hazardous w Mixed waste (haz. and radioa Recycler of hazardous waste Transporter of hazardous waste Treater, storer or disposer of Underground injection activity On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to burn Used oil fuel marketer to burn Used oil Specification market Used oil transfer facility: Used oil transporter:	aste: No active): No : No ste: No HW: No //: No No No No No ner: No er: No No No
Violation Status:	No violations found

FINDS:

Registry ID:

110002893708

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.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: Registry ID: DFR URL: 1000820060 110002893708 http://echo.epa.gov/detailed-facility-report?fid=110002893708

Map ID Direction		MAP FINDINGS	
Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A11 West < 1/8 0.030 mi.	H&A AUTOMOTIVE 644 N GRAND AVE COVINA, CA 91724	EDR Hist Auto	1021642909 N/A
160 ft.	Site 7 of 8 in cluster A		
Relative: Lower	EDR Hist Auto		
Actual: 624 ft.	Year: Name: 1994 H&A AUTOMOT 1995 H&A AUTOMOT 1996 H&A AUTOMOT	Type: IVE Automotive Transmission Repair Shops IVE Automotive Transmission Repair Shops IVE Automotive Transmission Repair Shops	
12 WSW < 1/8 0.040 mi. 211 ft.	ATLAS CLEANERS 930 E WINGATE ST COVINA, CA 91724	EDR Hist Cleaner	1018914028 N/A
Relative: Lower	EDR Hist Cleaner		
Actual: 628 ft.	Year: Name: 2014 ATLAS CLEANE	Type: ERS Laundry And Drycleaner Agents	
D13 NE < 1/8 0.040 mi.	STABLE PLATING CO INC 1150 E EDNA PL COVINA, CA 91724	RCRA-SQG LOS ANGELES CO. HMS WDS	1000163394 CAD067729731
212 ft.	Site 1 of 3 in cluster D		
Relative: Higher	RCRA-SQG: Date form received by a Facility name:	gency: 09/01/1996 STABLE PLATING CO INC	
Actual: 646 ft.	Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact email: EPA Region: Land type: Classification: Description:	1150 E EDNA PL COVINA, CA 91724 CAD067729731 Not reported Not reported US Not reported Not reported O9 Facility is not located on Indian land. Additional information is not known. Small Small Quantity Generator 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: Owner/operator address Owner/operator country: Owner/operator telephon Owner/operator email:	STABILE MARY NOT REQUIRED NOT REQUIRED, ME 99999 Not reported ne: 415-555-1212 Not reported	

Database(s)

EDR ID Number EPA ID Number

STABLE PLATING CO INC (Continued)

Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	Not reported Not reported Private Owner Not reported Not reported
Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/Operator Type: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported Not reported Private Operator Not reported Not reported Not reported Not reported Not reported
Handler Activities Summary: U.S. importer of hazardous w. Mixed waste (haz. and radioa Recycler of hazardous waste: Transporter of hazardous wast Treater, storer or disposer of Underground injection activity On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to burn Used oil Specification marketer Used oil transfer facility: Used oil transporter:	aste: No ctive): No ste: No HW: No r: No No No No No No er: No er: No No No
Historical Generators: Date form received by agency Site name: Classification: Date form received by agency Site name: Classification: Date form received by agency	7: 09/01/1996 STABLE PLATING CO INC Small Quantity Generator 7: 11/11/1994 STABILIZE PLATING CO INC Large Quantity Generator 7: 08/18/1980
 Facility Has Received Notices of Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: 	STABLE PLATING CO INC Large Quantity Generator Violations: FR - 262.10-12.A Generators - General 05/12/1994 05/12/1999 State

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

STABLE PLATING CO INC (Continued)	1000163394
Enforcement action: Enforcement action da Enf. disposition status Enf. disp. status date: Enforcement lead age Proposed penalty amount: Paid penalty amount:	Not reported ate: Not reported : Not reported ncy: Not reported pount: Not reported Not reported Not reported Not reported Not reported Not reported Not reported	
Evaluation Action Summary Evaluation date: Evaluation: Area of violation: Date achieved compliand Evaluation lead agency:	r: 05/12/1994 COMPLIANCE EVALUATION INSPECTION ON-SITE Generators - General ce: 05/12/1999 State Contractor/Grantee	
LOS ANGELES CO. HMS: Region: LA Permit Category: Not re Facility Id: 02134 Facility Type: Not re Facility Status: OPEN Area: 6B Permit Number: Not re Permit Status: Not re	ported 2-030184 ported ported ported	
WDS: Facility ID: Facility Type: Facility Status: NPDES Number: Subregion: Facility Telephone: Facility Contact: Agency Name: Agency Address: Agency Contact: Agency Contact: Agency Contact: Agency Telephone: Agency Type: SIC Code 2: Primary Waste Type: Primary Waste Type: Primary Waste Type: Waste Type2: Waste2: Primary Waste Type: Secondary Waste Type: Design Flow: Baseline Flow: Reclamation: POTW	 4 19I009518 Not reported Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements. CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board 4 Not reported Not reported	
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared	

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID N Database(s) EPA ID N

EDR ID Number EPA ID Number

1000163394

STABLE PLATING CO INC (Continued)

Complexity:

to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

D14 NE < 1/8 0.040 mi	STABILE PLATING CO INC 1150 E EDNA PL COVINA, CA 91724		ENVIROSTOR EMI	S100945688 N/A
212 ft.	Site 2 of 3 in cluster D			
212 ft. Relative: Higher Actual: 646 ft.	Site 2 of 3 in cluster D ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Ment Bage	71002539 Refer: Other Agency Not reported Not reported Tiered Permit Tiered Permit Not reported NO NONE SPECIFIED Not SPECIFIED Not reported Cleanup Chatsworth 48 22 Not reported NO		
	Site Mgmt Req: Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name: Alias Type: Alias Type: Alias Type:	NONE SPECIFIED Not reported 34.09366 -117.8669 NONE SPECIFIED NONE SPECIFIED NONE SPECIFIED NONE SPECIFIED CAD067729731 EPA Identification Number 11002143001 EPA (FRS #) 71002539 Envirostor ID Number		
	Completed Info: Completed Area Name: Completed Sub Area Na Completed Document Ty Completed Date: Comments:	PROJECT WIDE me: Not reported pe: Site Inspections/Visit (Non LUR) 12/30/1999 Not reported		

STABILE PLATING CO INC (Continued)

Future Area Name:

MAP FINDINGS

Not reported

Database(s)

Schedule A Schedule S Schedule D Schedule D Schedule R	ument Type: Date: rea Name: ub Area Name: ocument Type: ue Date: evised Date:	Not reported Not reported Not reported Not reported Not reported Not reported Not reported		
EMI: Year: County Cod Air Basin: Facility ID: Air District N SIC Code: Air District N Community Consolidate Total Organ Reactive Or Carbon Mor NOX - Oxid SOX - Oxid Particulate I	le: Name: Health Air Pollution d Emission Repo ic Hydrocarbon G rganic Gases Ton noxide Emissions es of Nitrogen Ton es of Sulphur Ton Matter Tons/Yr: 10 Micrometers a	on Info System: rting Rule: ases Tons/Yr: s/Yr: Tons/Yr: s/Yr: s/Yr: and Smllr Tons/Y	1990 19 SC 5743 SC 3471 SOUTH COAST AQMD Not reported Not reported 1 1 0 0 0 2 2	
1-DAY PAINT AN 645 N GRAND A COVINA, CA 91	ND BODY CENTE VE 722	RSINC	RCRA-SQG	1000161037 CAD981399678
1-DAY PAINT AN 645 N GRAND A COVINA, CA 91 Site 8 of 8 in clu	ND BODY CENTE VE 722		RCRA-SQG	1000161037 CAD981399678

Database(s)

EDR ID Number EPA ID Number

1-DAY PAINT AND BODY CENTERS INC (Continued)

Owner/Operator Summary: 1-DAY PAINT AND BODY CENTERS INC Owner/operator name: Owner/operator address: NOT REQUIRED NOT REQUIRED, ME 99999 Owner/operator country: Not reported 415-555-1212 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Owner Not reported Owner/Op start date: 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 Owner/operator email: Not reported Not reported Owner/operator fax: Owner/operator extension: Not reported 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: 04/25/1986 1-DAY PAINT AND BODY CENTERS INC Site name: Classification: Large Quantity Generator Violation Status: No violations found

Database(s)

E16 NE < 1/8	G AND K MACHINE CO INC 1236 E EONA PL COVINA, CA 91724	RCRA-SQG FINDS ECHO	1000596050 CAD983600099
0.048 ml. 251 ft.	Site 1 of 2 in cluster E	LOS ANGELES CO. HMS	
Relative: Higher Actual: 658 ft.	RCRA-SQG: Date form received by agency: Facility name: Facility address: EPA ID: Contact:	08/05/1991 G AND K MACHINE CO INC 1236 E EONA PL COVINA, CA 91724-2509 CAD983600099 NEIL GILLIS	
	Contact address: Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	1236 E EONA PL COVINA, CA 91724-2509 US 818-331-1663 Not reported 09 Small Small Quantity Generator 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: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator telephone: Owner/operator fax: Owner/operator Type: Owner/Op start date: Owner/Op end date:	MONA LEE ARCE 1116 E EDNA PL COVINA, CA 91724 Not reported 818-332-2914 Not reported Not reported Not reported Municipal Owner Not reported Not reported Not reported Not reported Not reported Not reported	
	Handler Activities Summary: U.S. importer of hazardous wa Mixed waste (haz. and radioad Recycler of hazardous waste: Transporter of hazardous wasts Treater, storer or disposer of H Underground injection activity: On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil fuel marketer to burnet Used oil fuel marketer to burnet Used oil Specification marketet Used oil transfer facility: Used oil transporter:	ste: No tive): No No e: No IW: No No No No No No No No No No No No No N	
	Violation Status:	No violations found	

Database(s)

	G AND K MACHINE CO INC (Continued)		
	FINDS:		
	Registry ID:	110002856874	
	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.		
		<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.	
	ECHO: Envid: Registry ID: DFR URL:	1000596050 110002856874 http://echo.epa.gov/detailed-facility-report?fid=110002856874	
	LOS ANGELES CO Region: Permit Category: Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status:	HMS: LA Not reported 021350-030192 Not reported OPEN 6B Not reported Not reported	
C17 WNW < 1/8 0.048 mi. 255 ft.	WESTERN METER EX 1006 E EDNA PLACE COVINA, CA 91724 Site 2 of 3 in cluster (CHANGE RCRA-SQG FINDS ECHO	1001195306 CAR000018721
Relative: Lower Actual: 632 ft.	RCRA-SQG: Date form receive Facility name: Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephon Contact telephon Contact email: EPA Region: Classification: Description:	ed by agency: 03/24/1997 WESTERN METER EXCHANGE 1006 E EDNA PLACE COVINA, CA 91724 CAR000018721 E EDNA PLACE COVINA, CA 91724 FRANZ KURTH 1006 E EDNA PLACE COVINA, CA 91724 US e: 818-332-6505 Not reported 09 Small Small Quantity Generator 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	

EDR ID Number EPA ID Number

Database(s)

WESTERN METER EXCHANGE (Continued)

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:	
Owner/operator name:	FRANZ J KURTH
Owner/operator address:	1006 E EDNA PLACE
	COVINA, CA 91724
Owner/operator country:	Not reported
Owner/operator telephone:	818-332-6505
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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 wa	aste: No
Mixed waste (haz, and radioa	ctive): No
Recycler of hazardous waste:	No
Transporter of hazardous was	ste: No
Treater, storer or disposer of I	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 burn	er: No
Used oil Specification markete	er: No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status:

No violations found

FINDS:

Registry ID:

110002916685

Environmental Interest/Information System

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.

STATE MASTER

EDR ID Number Database(s)

EPA ID Number

	WESTERN METER EXCHANGE (Continued)						
	<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.						
	ECHO: Envid: Registry ID: DFR URL:		1001195306 11000291668 http://echo.ep	5 a.gov/detailed-facility-report?fid=110	002916685		
F18 West < 1/8 0.058 mi.	BARKER TEXACO SE 701 N GRAND COVINA, CA 91722	ERVICE		ED	R Hist Auto	1020964785 N/A	
Balatian	EDR Hist Auto	-					
Relative: Lower	EDIT HISt Auto						
Actual: 623 ft.	Year: Name: 1969 BARKER 1970 BARKER 1982 J & M TE 1983 J & M TE 1985 J & M TE 1986 J & M TE 1987 J & M TE 1988 J & M TE 1989 FAKHOU 1990 FAKHOU 1990 J & M TE 1991 J & M TE 1991 FAKHOU 1992 FAKHOU 1993 FAKHOU 1995 FAKHOU 1995 FAKHOU 1996 FAKHOU 1996 FAKHOU 1997 FAKHOU 1997 SMOG &	R TEXACO SERVICE TEXACO SERVICE XACO JIRY TEXACO JIRY TEXACO JIRY TEXACO JIRY TEXACO JIRY TEXACO XINE PLUS XINE PLUS		Type: Gasoline Service Stations Gasoline Service Stations General Automotive Repair Shops General Automotive Repair Shops Automotive Repair Shops, NEC			
F19 West < 1/8 0.058 mi. 306 ft.	J AND M TEXACO 701 N GRAND COVINA, CA 91724 Site 2 of 3 in cluster I	-			HIST UST	U001569265 N/A	
Relative: Lower	HIST UST: File Number: URI	0 h)0028654 http://geotracker	waterboards.ca.gov/ustodfs/odf/0002	28654.pdf		
Actual: 623 ft.	Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone:	S 0 G N V 8	STATE 00000051007 Gas Station Not reported W. TORRIS 8183326815				

Database(s)

EDR ID Number EPA ID Number

J AND M TEXACO (Continued)

Owner Name:	WARREN E. TORRIS
Owner Address:	701 N. GRAND
Owner City,St,Zip:	COVINA, CA 91724
Total Tanks:	0005
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

U001569265

Database(s)

E20 NE < 1/8	PER LUX INC 1242 E EDNA PLACE COVINA, CA 91724	RCRA-SQG FINDS ECHO	1000122567 CAD981685555
319 ft.	Site 2 of 2 in cluster E		
Relative: Higher	RCRA-SQG: Date form received by agency Facility name:	:09/01/1996 PER LUX INC	
Actual: 660 ft.	Facility address:	1242 E EDNA PLACE COVINA, CA 91724	
	EPA ID:	CAD981685555	
	Contact:	Not reported	
	Contact address:	Not reported Not reported	
	Contact country:	US	
	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 nazardous	.4
		bazardous wasto at any time)
		hazaruous waste at any time	
	Owner/Operator Summary:		
	Owner/operator name:	PER LUX INC	
	Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	415-555-1212	
	Owner/operator email:	Not reported	
	Owner/operator fax:	Not reported	
	Owner/operator extension:	Not reported	
	Legal status:	Private	
	Owner/Op start date:	Not reported	
	Owner/Op and date:	Not reported	
	Owner/operator name:	NOT REQUIRED	
	Owner/operator address:		
	Owner/operator country:	Not reported	
	Owner/operator telephone:	115-555-1212	
	Owner/operator email:	Not reported	
	Owner/operator fax:	Not reported	
	Owner/operator extension:	Not reported	
	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 nazardous wa	ISTE. NO	
	Recycler of bazardous wasta		
	Transporter of hazardous waste.	te [·] No	
	nunopontor or nazaruous was		

Contact:

Contact address:

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	PER LUX INC (Continued)	1000122567			
	Treater, storer or dispose	r of HW:	No		
	Underground injection act	ivity:	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 I	ourner:	No		
	Used oil Specification ma	rketer:	No		
	Used oil transfer facility:		No		
	Used oil transporter:		No		
	Historical Generators:				
	Date form received by ag	encv: 10/2	23/1986		
	Site name:	PEF	R LUX INC		
	Classification:	Larg	ge Quantity Generator		
	Violation Status:	Nov	violations found		
	FINDS:				
	Dogiotry (D)	110	000750400		
	Registry iD.	110	002752192		
	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.				
	ECHO: Envid: Registry ID: DFR URL:		1000122567 110002752192 http://echo.epa.gov/detailed-facility-report?fid=110002752	2192	
G21 NE < 1/8 0.062 mi.	OPTICAL COMPONENTS INC 1175 E EDNA PLACE COVINA, CA 91724	:	RCRA NonGen / US	' NLR ICIS AIRS	1000246742 CAD981373327
328 ft.	Site 1 of 2 in cluster G				
Relative: Higher	RCRA NonGen / NLR: Date form received by agency:01/28		28/1986		
Actual: 652 ft.	Facility name: Facility address:	0P1 117: CO\	75 E EDNA PLACE VINA, CA 91724		
	EPA ID: Mailing address:	CAE E EI CO\	D981373327 DNA PLACE VINA, CA 91724		

ENVIRONMENTAL MANAGER 1175 E EDNA PLACE

COVINA, CA 91724

Database(s)

EDR ID Number EPA ID Number

OPTICAL COMPONENTS INC (Continued) Contact country: US 818-967-5281 Contact telephone: Not reported Contact email: EPA Region: 09 Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: Owner/operator name: LYNN MONTGOMERY Owner/operator address: NOT REQUIRED NOT REQUIRED, ME 99999 Owner/operator country: Not reported 415-555-1212 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported NOT REQUIRED Owner/operator name: Owner/operator address: NOT REQUIRED NOT REQUIRED, ME 99999 Owner/operator country: Not reported Owner/operator telephone: 415-555-1212 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported 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 ICIS: Enforcement Action ID: 09-2003-A041 FRS ID: 110002421503 OPTICAL COMPONENTS 06071R983900009 Action Name:

Database(s)

EDR ID Number EPA ID Number

OPTICAL COMPONENTS INC (Continued)

Facility Name: **OPTICAL COMPONENTS** Facility Address: 1175 EAST EDNA PLACE CALIFORNIA, CA 91724 Enforcement Action Type: CAA 113D1 Action For Penalty Facility County: UNDETERMINED Program System Acronym: AIR Enforcement Action Forum Desc: Administrative - Formal EA Type Code: 113D1 Facility SIC Code: 3471 Federal Facility ID: Not reported Latitude in Decimal Degrees: 34.094338 -117.866265 Longitude in Decimal Degrees: Permit Type Desc: Not reported Program System Acronym: 090000006071R9839 Facility NAICS Code: 332813 Tribal Land Code: Not reported Enforcement Action ID: 09-2002-A035 FRS ID: 110002421503 OPTICAL COMPONENTS 06071R983900004 Action Name: Facility Name: **OPTICAL COMPONENTS** Facility Address: 1175 EAST EDNA PLACE CALIFORNIA, CA 91724 Enforcement Action Type: CAA 113D1 Action For Penalty Facility County: UNDETERMINED Program System Acronym: AIR Enforcement Action Forum Desc: Administrative - Formal EA Type Code: 113D1 Facility SIC Code: 3471 Federal Facility ID: Not reported Latitude in Decimal Degrees: 34.094338 Longitude in Decimal Degrees: -117.866265 Permit Type Desc: Not reported Program System Acronym: 090000006071R9839 Facility NAICS Code: 332813 Tribal Land Code: Not reported Enforcement Action ID: 09-2002-A034 FRS ID: 110002421503 OPTICAL COMPONENTS 06071R983900003 Action Name: Facility Name: **OPTICAL COMPONENTS** Facility Address: 1175 EAST EDNA PLACE CALIFORNIA, CA 91724 Enforcement Action Type: CAA 113A Admin Compliance Order (Non-Penalty) Facility County: UNDETERMINED Program System Acronym: AIR Enforcement Action Forum Desc: Administrative - Formal EA Type Code: 113A 3471 Facility SIC Code: Not reported Federal Facility ID: Latitude in Decimal Degrees: 34.094338 Longitude in Decimal Degrees: -117.866265 Permit Type Desc: Not reported Program System Acronym: 090000006071R9839 Facility NAICS Code: 332813 Tribal Land Code: Not reported

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

OPTICAL COMPONENTS INC (Continued)

US AIRS MINOR:	1000246742
Envid:	09
Region Code:	AIR 090000006071R9839
Programmatic ID:	110002421503
Facility Registry ID:	Not reported
D and B Number:	3471
Primary SIC Code:	332813
NAICS Code:	MIN
Default Air Classification Code:	POF
Facility Type of Ownership Code:	Not reported
Air CMS Category Code:	Not reported
HPV Status:	Not reported
US AIRS MINOR: Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR 090000006071R9839 110002421503 OPR MIN MACT Standards (40 CFR Part 63) Not reported 2003-07-03 00:00:00 Case File Case File Resolved
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR 090000006071R9839 110002421503 OPR MIN MACT Standards (40 CFR Part 63) 2002-01-30 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported
Region Code:	09
Programmatic ID:	AIR 090000006071R9839
Facility Registry ID:	110002421503
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2002-06-24 00:00:00
Activity Status Date:	2002-06-24 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR 090000006071R9839
Facility Registry ID:	110002421503
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2002-09-30 00:00:00

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

Activity Status Date: Activity Group:	2002-09-30 00:00:00 Enforcement Action
Activity Type.	Autimistrative - Formal
Activity Status:	Final Order Issued
Device Orde	20
Region Code:	09
Programmatic ID:	AIR 090000006071R9839
Facility Registry ID:	110002421503
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2002-12-20 00:00:00
Activity Status Date:	2002-12-20 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued

G22 NE < 1/8 0.062 mi	OPTICAL COMPONENTS, INC. 1175 E. EDNA PLACE COVINA, CA 91724	RCRA-SQG	1008194412 CAD981999790
328 ft.	Site 2 of 2 in cluster G		
Relative: Higher Actual: 652 ft.	RCRA-SQG: Date form received by agence Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact country: Contact telephone: Telephone ext.: Contact email: EPA Region: Classification: Description:	y: 03/04/2004 OPTICAL COMPONENTS, INC. 1175 E. EDNA PLACE COVINA, CA 91724 CAD981999790 CHUCK HOLT Not reported Not reported US 626-967-5281 229 CHOLT@OCIOPTICS.COM 09 Small Small Quantity Generator 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: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator cxtension: Legal status: Owner/Operator Type: Owner/Op start date:	MARTIN ARCE PROPERTIES 1106 E. EDNA PLACE COVINA, CA 91724 US Not reported Not reported Not reported Not reported Private Owner 07/01/2000	

Database(s)

EDR ID Number EPA ID Number

OPTICAL COMPONENTS, INC. (Continued)

Owner/Op end date:	Not r	eported
Owner/operator name:	OPT	CAL COMPONENTS, INC.
Owner/operator address:	Not r	eported
·	Not r	eported
Owner/operator country:	US	
Owner/operator telephone:	Not r	eported
Owner/operator email:	Not r	eported
Owner/operator fax:	Not r	eported
Owner/operator extension:	Not r	eported
Legal status:	Priva	te
Owner/Operator Type:	Oper	ator
Owner/Op start date:	08/01	1/1985
Owner/Op end date:	Not r	eported
Handler Activities Summarv:		
U.S. importer of hazardous	waste:	No
Mixed waste (haz. and radio	active):	No
Recycler of hazardous wast	e:	No
Transporter of hazardous wa	aste:	No
Treater, storer or disposer o	f HW:	No
Underground injection activi	ty:	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 bu	mer:	No
Used oil Specification marke	eter:	No
Used oil transfer facility:		No
Used oil transporter:		No
. Waste code:	D001	
. Waste name:	IGNI	IABLE WASTE
. Waste code:	D039	
. Waste name:	TETF	RACHLOROETHYLENE
. Waste code:	F001	
. Waste name:	THE	FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
	TETF	RACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,
	1,1,1	-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED
	FLUC	DROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING
	CON	TAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

1008194412

Violation Status:

No violations found

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.

Database(s)

B23 NE < 1/8	SPEEDY CL 830 N GLEN COVINA, CA	EANERS IDORA AVE A 91724	EDR Hist Cleaner	1018619033 N/A
339 ft.	Site 2 of 2 in	n cluster B		
Relative: Higher	EDR Hist	Cleaner		
-	Year:	Name:	Туре:	
Actual:	1985	SPEEDY CLEANERS	Garment Pressing And Cleaners' Agents	
666 ft.	1986	SPEEDY CLEANERS	Garment Pressing And Cleaners' Agents	
	1987	SPEEDY CLEANERS	Garment Pressing And Cleaners' Agents	
	1988	SPEEDY CLEANERS	Garment Pressing And Cleaners' Agents	
	1989	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1990	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1991	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1992	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1993	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1994	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1995	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1996	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1997	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1998	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	1999	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2000	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2001	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2002	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2003	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2004	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2005	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2006	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2007	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2008	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2009	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2010	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2011	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2012	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2013	SPEEDY CLEANERS	Laundry And Drycleaner Agents	
	2014	SPEEDY CLEANERS	Laundry And Drycleaner Agents	

NORAM CORP 1079 E EDNA PL COVINA, CA 91724		RCRA-SQG FINDS ECHO	1001815681 CAR000059063
RCRA-SQG:			
Date form received by ag	jency: 11/12/1999		
Facility name:	NORAM CORP		
Facility address:	1079 E EDNA PL COVINA, CA 91724		
EPA ID:	CAR000059063		
Contact:	KIM VANGSTAD		
Contact address:	1079 E EDNA PL COVINA, CA 91724		
Contact country:	US		
Contact telephone:	626-967-4422		
Contact email:	Not reported		
EPA Region:	09		
Classification:	Small Small Quantity Generator		
	NORAM CORP 1079 E EDNA PL COVINA, CA 91724 RCRA-SQG: Date form received by ag Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification:	NORAM CORP 1079 E EDNA PL COVINA, CA 91724 RCRA-SQG: Date form received by agency: 11/12/1999 Facility name: NORAM CORP Facility address: 1079 E EDNA PL COVINA, CA 91724 EPA ID: CAR000059063 Contact: KIM VANGSTAD Contact address: 1079 E EDNA PL COVINA, CA 91724 EPA ID: CAR00059063 Contact address: 1079 E EDNA PL COVINA, CA 91724 Contact country: US Contact telephone: 626-967-4422 Contact telephone: 626-967-4422 Contact email: Not reported EPA Region: 09 Classification: Small Quantity Generator	NORAM CORP RCRA-SQG 1079 E EDNA PL FINDS COVINA, CA 91724 ECHO RCRA-SQG: ECHO Date form received by agency: 11/12/1999 ECHO Facility name: NORAM CORP Facility name: NORAM CORP Facility address: 1079 E EDNA PL COVINA, CA 91724 EPA ID: CAR000059063 Contact: Contact address: 1079 E EDNA PL COVINA, CA 91724 CONTACT address: CONTACT country: US Contact telephone: 626-967-4422 Contact email: Not reported EPA Region: 09 Classification: Small Small Quantity Generator

EDR ID Number Database(s) EPA ID Number

1001815681

NORAM CORP (Continued)

Owner/Operator Summary:

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 name:	KIM VANGSTAD	
Owner/operator addres	s: 1079 E EDNA PL	
	COVINA, CA 91724	
Owner/operator countr	y: Not reported	
Owner/operator teleph	one: 626-967-4422	
Owner/operator email:	Not reported	
Owner/operator fax:	Not reported	
Owner/operator extens	ion: Not reported	
Legal status:	Private	
Owner/Operator Type:	Owner	
Owner/Op start date:	Not reported	
Owner/Op end date:	Not reported	
Handler Activities Summa	ID/:	
LLS importer of bazar	ny. Jous waste: No	
Mixed waste (haz, and	radioactive). No	
Recycler of bazardous	waste: No	
Transporter of hazardo	us waste: No	
Treater storer or dispo	ser of HW ⁻ No	
Underground injection	activity: No	
On-site burner exempt	ion: 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	
. Waste code:	D000	
. Waste name:	Not Defined	
. Waste code:	D039	
. Waste name:	TETRACHLOROETHYLEN	Ξ
Violation Status:	No violations found	
FINDS:		

Registry ID: 110002930945

Environmental Interest/Information System

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
EDR ID Number Database(s) EPA ID Number

	NORAM CORP (Continued) 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.		
	<u>Cli</u> ade	ck this hyperlink while viewing on your computer to access ditional FINDS: detail in the EDR Site Report.	
	ECHO: Envid: Registry ID: DFR URL:	1001815681 110002930945 http://echo.epa.gov/detailed-facility-report?fid=110002930945	
C25 NW < 1/8 0.074 mi. 392 ft.	PROCUREMENT ASSOCI 733 N DODSWORTH AVE COVINA, CA 91724 Site 3 of 3 in cluster C	ATES RCRA-SQG FINDS ECHO HAZNET	1000182138 CAD982044323
Relative: Lower	RCRA-SQG: Date form received by	y agency: 09/30/1987	
Actual: 635 ft.	Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	 PROCUREMENT ASSOCIATES 733 N DODSWORTH AVE COVINA, CA 91724 CAD982044323 ENVIRONMENTAL MANAGER 733 N DODSWORTH AVE COVINA, CA 91724 US 818-966-4576 Not reported 09 Small Small Quantity Generator 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 during any calendar month, and accumulates more than 1000 kg of hazardous 	
	Owner/Operator Summa Owner/operator name Owner/operator addre Owner/operator coun Owner/operator telep Owner/operator telep Owner/operator fax: Owner/operator fax: Owner/Operator Type Owner/Op start date: Owner/Op end date: Owner/operator name Owner/operator addre	ary: e: PAUL R MCDONALD ess: NOT REQUIRED NOT REQUIRED, ME 99999 try: Not reported hone: 415-555-1212 l: Not reported Not reported Not reported Private es: Owner Not reported Not reported	

Database(s)

EDR ID Number EPA ID Number

Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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

FINDS:

Registry ID:

110002786771

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.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: Registry ID: DFR URL: 1000182138 110002786771 http://echo.epa.gov/detailed-facility-report?fid=110002786771

HAZNET:

envid:	1000182138
Year:	2002
GEPAID:	CAD982044323
Contact:	MARIE SIRNEY
Telephone:	8183312479

1000182138

Database(s)

EDR ID Number EPA ID Number

PROCUREMENT ASSOCIATES (Continued)

Mailing Name: Not reported 733 N DODSWORTH AVE Mailing Address: Mailing City, St, Zip: COVINA, CA 917242408 Gen County: Not reported TSD EPA ID: CAD982444481 TSD County: Not reported Waste Category: Off-specification, aged or surplus organics **Disposal Method: Transfer Station** Tons: 0 Cat Decode: Not reported Method Decode: Not reported Los Angeles Facility County: envid: 1000182138 Year: 2002 GEPAID: CAD982044323 Contact: MARIE SIRNEY Telephone: 8183312479 Mailing Name: Not reported 733 N DODSWORTH AVE Mailing Address: Mailing City, St, Zip: COVINA, CA 917242408 Gen County: Not reported TSD EPA ID: CAD008252405 TSD County: Not reported Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.) Disposal Method: Recycler Tons: 0.1 Cat Decode: Not reported Method Decode: Not reported Facility County: Los Angeles envid: 1000182138 Year: 2001 GEPAID: CAD982044323 MARIE SIRNEY Contact: 8183312479 Telephone: Mailing Name: Not reported Mailing Address: 733 N DODSWORTH AVE Mailing City, St, Zip: COVINA, CA 917242408 Gen County: Not reported TSD EPA ID: CAD982444481 TSD County: Not reported Waste Category: Off-specification, aged or surplus organics **Disposal Method: Transfer Station** Tons: 0.04 Not reported Cat Decode: Method Decode: Not reported Facility County: Los Angeles 1000182138 envid: Year: 2001 GEPAID: CAD982044323 MARIE SIRNEY Contact: Telephone: 8183312479 Mailing Name: Not reported Mailing Address: 733 N DODSWORTH AVE Mailing City,St,Zip: COVINA, CA 917242408

1000182138

Database(s)

EDR ID Number EPA ID Number

PROCUREMENT ASSOCIATES (Continued)

Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Recycler
Tons:	0.12
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles
envid:	1000182138
Year:	2000
GEPAID:	CAD982044323
Contact:	MARIE SIRNEY
Telephone:	8183312479
Mailing Name:	Not reported
Mailing Address:	733 N DODSWORTH AVE
Mailing City,St,Zip:	COVINA, CA 917242408
Gen County:	Not reported
TSD EPA ID:	CAT080022148
TSD County:	Not reported
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Transfer Station
Tons:	0.39
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

1000182138

<u>Click this hyperlink</u> while viewing on your computer to access 26 additional CA_HAZNET: record(s) in the EDR Site Report.

D26 NNE < 1/8 0.077 mi.	AMERACE CORP 813 N CUMMING COVINA, CA 91722	RCRA-SQG FINDS ECHO	1000352716 CAD041672205
407 ft.	Site 3 of 3 in cluster D		
Relative: Higher Actual: 647 ft.	RCRA-SQG: Date form received by age Facility name: Facility address: EPA ID: Mailing address: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	AMERACE CORP 813 N CUMMING COVINA, CA 91722 CAD041672205 N CUMMING COVINA, CA 91722 Not reported Not reported Not reported US Not reported US Not reported O9 Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg of bazardous	
	2000	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	of

Database(s)

EDR ID Number EPA ID Number

AMERACE CORP (Continued) Owner/Operator Summary:

1000352716

owner/operator ournmary.	
Owner/operator name:	AMERACE CORPORATION
Owner/operator address:	NOT REQUIRED
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/On start date:	Not reported
Owner/Op and 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
Owner/operator email:	Not reported
	Not reported
Owner/operator lax:	Not reported
Owner/operator extension:	Not reported
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 wa	aste: No
Mixed waste (haz. and radioad	ctive): No
Recycler of hazardous waste:	No
Transporter of hazardous was	te: No
Treater storer or disposer of H	IW: No
Inderground injection activity:	No
On derground injection activity.	No
On-site burner exemption:	
Furnace exemption:	NO
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burne	er: No
Used oil Specification markete	r No
Lised oil transfer facility:	No
	No
Used on transporter.	NO
Violation Status:	No violations found
FINDS:	
Registry ID:	110002644425

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.

Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
	AMERACE CORP (Continued)				1000352716
	Click this hy	perlink while viewing o	n your computer to access		
	additional F	NDS: detail in the EDF	t Site Report.		
	ECHO: Envid: Registry ID: DFR URL:	1000352716 1100026444 http://echo.ej	25 pa.gov/detailed-facility-report?fid=	=110002644425	
H27 NE < 1/8 0.085 mi	CUSTOM TAMPING & MFG INC 1274 E CYPRESS ST COVINA, CA 91724			RCRA-LQG	1007198860 CAD052274388
447 ft.	Site 1 of 6 in cluster H				
Relative: Higher	RCRA-LQG: Date form received by agency Facility name:	06/20/1991 CUSTOM TAMPING 8			
Actual: 665 ft.	Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Telephone ext.: Contact email: EPA Region: Classification: Description:	1274 E CYPRESS ST COVINA, CA 91724-0 CAD052274388 FRANK J TRULSON Not reported US 818-967-4291 0216 Not reported 09 Large Quantity Genera Handler: generates 1,1 calendar month; or ge during any calendar m residue or contaminate cleanup of a spill, into waste during any caler hazardous waste durir kg of acutely hazardou of any residue or conta from the cleanup of a hazardous waste durir 100 kg of that material	ator 2000 ator 2000 kg or more of hazardous was nerates more than 1 kg of acutely 2001 kg or more of hazardous was nerates more than 1 kg of acutely 2001 kg or generates more than 100 2012 at soil, waste or other debris resu 2013 or on any land or water, of acutel 2014 ndar month; or generates 1 kg or 2015 ng any calendar month, and accu 2014 at any time	te during any / hazardous waste 0 kg of any ulting from the ly hazardous less of acutely mulates more than s 100 kg or less ris resulting of acutely mulates more than	1
	Handler Activities Summary: U.S. importer of hazardous wa Mixed waste (haz. and radioac Recycler of hazardous waste: Transporter of hazardous was Treater, storer or disposer of H Underground injection activity On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil processor: User oil refiner:	ste: No tive): No No e: No W: No No No No No No No			

Used oil fuel marketer to burner: Used oil Specification marketer:

No No

Map ID Direction		MAP FINDINGS		
Elevation	Site		Database(s)	EDR ID Number EPA ID Number
				4007400000
	CUSIOM TAMPING & MFG INC (Contin	lued)		100/198860
	Used oil transfer facility: Used oil transporter:	No No		
	Violation Status: No vi	olations found		
H28 NE < 1/8	76 PRODUCTS STATION #5012 856 GLENDORA AVE N COVINA, CA 91722		LUST HIST CORTESE	S102590659 N/A
0.089 mi. 472 ft.	Site 2 of 6 in cluster H			
Relative:	LUST:			
Higher	Region:	STATE		
Actual:	Global Id:	10603703605		
667 ft.		34.09551		
	Case Type:	LUST Cleanun Site		
	Status:	Completed - Case Closed		
	Status Date:	06/18/1991		
	Lead Agency:	LOS ANGELES COUNTY		
	Case Worker:	JOA		
	Local Agency:	LOS ANGELES COUNTY		
	RB Case Number:	I-10313		
	LOC Case Number:	Not reported		
	File Location:	Not reported		
	Potential Media Affect:	Soli		
	Site History:	Not reported		
	Click here to access the California G	eoTracker records for this facility:		
	Contact:			
	Global Id:	T0603703605		
	Contact Type:	Local Agency Caseworker		
	Contact Name:	JOHN AWUJO		
	Organization Name:	LOS ANGELES COUNTY		
	Address:			
	Engil:	ALHAMIDRA		
	Phone Number:	6264583507		
	Global Id:	T0603703605		
	Contact Type:	Regional Board Caseworker		
	Contact Name:	YUE RONG		
	Organization Name:	LOS ANGELES RWQCB (REGION 4)		
	Address:	320 W. 4TH ST., SUITE 200		
	City:	Los Angeles		
	Email: Phone Number:	yrong@waterboards.ca.gov Not reported		
	Status History			
	Global Id:	T0603703605		
	Status:	Completed - Case Closed		
	Status Date:	06/18/1991		
	Global Id:	T0603703605		
	Status:	Open - Case Begin Date		
	Status Date:	03/16/1990		

Database(s)

EDR ID Number EPA ID Number

Regulatory Activities:	
Global Id:	T0603703605
Action Type:	Other
Date:	03/16/1990
Action:	Leak Reported

LL	IST REG 4:		
	Region:	4	
	Regional Board:	04	
	County:	Los Angeles	
	Facility Id:	I-10313	
	Status:	Case Closed	
	Substance:	Gasoline	
	Substance Quantity:	Not reported	
	Local Case No:	Not reported	
	Case Type:	Soil	
	Abatement Method Used at	the Site:	Not reported
	Global ID:	T0603703605	
	W Global ID:	Not reported	
	Staff:	UNK	
	Local Agency:	19000	
	Cross Street:	Not reported	
	Enforcement Type:	Not reported	
	Date Leak Discovered:	Not reported	
	Date Leak First Reported:		3/16/1990
	Date Leak Record Entered:	5/15/1990	
	Date Confirmation Began:	Not reported	
	Date Leak Stopped:	Not reported	
	Date Case Last Changed or	n Database:	4/26/2000
	Date the Case was Closed:		6/18/1991
	How Leak Discovered:	Not reported	
	How Leak Stopped:	Not reported	
	Cause of Leak:	Not reported	
	Leak Source:	Not reported	
	Operator:	Not reported	
	Water System:	Not reported	
	Well Name:	Not reported	
	Approx. Dist To Production	Well (ft):	4382.5377226592516721917916783
	Source of Cleanup Funding:		F
	Preliminary Site Assessmen	it Workplan Submitted:	Not reported
	Preliminary Site Assessmen	it Began:	Not reported
	Pollution Characterization B	egan:	Not reported
	Remediation Plan Submittee	3:	Not reported
	Remedial Action Underway:		Not reported
	Post Remedial Action Monit	oring Began:	Not reported
	Enforcement Action Date:		Not reported
	Historical Max MI BE Date:		Not reported
	Hist Max MTDE Conc in Gro	ounowater:	Not reported
	Significant Interim Remedial	I. Action Takon:	Not reported
	Significant Interim Remedia	Not reported	Not reported
	Soil Qualifier	Not reported	
	Organization:	Not reported	
	Owner Contact	Not reported	
	Responsible Party:	TOSCO/76 PRODUCT	Γς ΤΕΔΜ
	responsible raity.	100000000000000000000000000000000000000	

S102590659

Map ID			MAP FINDINGS		
Direction Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
	76 PRODUCTS STATION #501 RP Address: Program: Lat/Long: Local Agency Staff: Beneficial Use: Priority: Cleanup Fund Id: Suspended: Assigned Name: Summary: HIST CORTESE: Region: Facility County Code: Reg By:	12 (Continued) 555 ANTON, C LUST 34.095096 / -1 Not reported Not reported	COSTA MESA, CA 92626		S102590659
H29 NE < 1/8 0.091 mi. 478 ft.	GLENDORA CYPRESS 76 856 N GLENDORA AVE COVINA, CA 91724 Site 3 of 6 in cluster H	1-10313		EDR Hist Auto	1020735841 N/A
Relative: Higher Actual: 668 ft.	EDR Hist Auto Year: Name: 1986 SAMS UNION SE 1987 SAMS UNION SE 1988 SAMS UNION SE 1989 GLENDORA CYF 1991 GLENDORA CYF 1992 GLENDORA CYF 1993 GLENDORA CYF 1995 GLENDORA CYF	RVICE RVICE RVICE PRESS 76 PRESS 76 PRESS 76 PRESS 76 PRESS 76 PRESS 76	Type: General Automotive Repair General Automotive Repair General Automotive Repair Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations	Shops Shops	
H30 NE < 1/8 0.091 mi. 478 ft.	UNION OIL SERV. STATION # 856 N GLENDORA AVE COVINA, CA 91722 Site 4 of 6 in cluster H	5012		HIST UST	U001569225 N/A
Relative: Higher	HIST UST: File Number:	Not re	eported		

URL:	Not reported
Region:	STATE
Facility ID:	0000019956
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	ROBERT L. CRABTREE
Telephone:	8189666070
Owner Name:	UNION OIL CO. OF CALIF.
Owner Address:	123 CAMINO DE LA REINA
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0003

Actual: 668 ft.

Database(s)

EDR ID Number EPA ID Number

U001569225

UNION OIL SERV. STATION #5012 (Continued)

Tank Num:	001
Container Num:	5012-22
Year Installed:	1963
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	5012-11
Year Installed:	1963
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	5012-34
Year Installed:	1963
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

H31 STATION #5012

NE < 1/8 0.091 mi.	856 N GLENDORA AVE COVINA, CA 91722	
478 ft.	Site 5 of 6 in cluster H	
Relative:	HIST UST:	
Higher	File Number:	Not reported
	URL:	Not reported
Actual:	Region:	SIAIE
000 II.	Facility ID:	00000041639
	Facility Type:	Gas Station
	Other Type:	Not reported
	Contact Name:	ROBERT L. CRABTREE
	Telephone:	8189666070
	Owner Name:	UNION OIL COMPANY OF CALIFORNI
	Owner Address:	1450 FRAZEE ROAD
	Owner City,St,Zip:	SAN DIEGO, CA 92108
	Total Tanks:	0001
	Tank Num:	001
	Container Num:	5012-00
	Year Installed:	1963
	Tank Capacity:	0000000
	Tank Used for:	WASTE
	Type of Fuel:	Not reported
	Container Construction Thickness:	6
	Leak Detection:	Visual

HIST UST U001569219 N/A

Database(s)

H32 NE < 1/8 0.091 mi. 478 ft.	UNION SERVICE STATION 856 N GLENDORA AVE COVINA, CA 91724 Site 6 of 6 in cluster H		SWEEPS UST HIST UST CA FID UST LOS ANGELES CO. HMS	S101583065 N/A
Relative: Higher Actual: 668 ft.	SWEEPS UST: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 10313 9 44-001057 06-30-89 Not reported 06-30-89 Not reported 19-000-010313-000001 A Not reported 06-30-89 UNKNOWN W Not reported 3		
	Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 10313 9 44-001057 06-30-89 Not reported 06-30-89 Not reported 19-000-010313-000002 A Not reported 06-30-89 UNKNOWN W Not reported Not reported Not reported Not reported Not reported Not reported		
	Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 10313 9 44-001057 06-30-89 Not reported 06-30-89 Not reported 19-000-010313-000003 A Not reported 06-30-89 UNKNOWN W Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported		

Database(s) EPA ID N

EDR ID Number EPA ID Number

UNION SERVICE STATION (Continued)

S101583065

HIST UST:		
File Number:	000292F2	
URL:	http://geotrack	er.waterboards.ca.gov/ustpdfs/pdf/000292F2.pdf
Region:	Not reported	
Facility ID:	Not reported	
Facility Type:	Not reported	
Other Type:	Not reported	
Contact Name:	Not reported	
Telephone:	Not reported	
Owner Name:	Not reported	
Owner Address:	Not reported	
Owner City,St,Zip:	Not reported	
Total Tanks:	Not reported	
Tank Num:	Not reported	
Container Num:	Not reported	
Year Installed:	Not reported	
Tank Capacity:	Not reported	
Tank Used for:	Not reported	
Type of Fuel:	Not reported	
Container Construction Th	ickness: Not reported	
Leak Detection:	Not reported	
Tank Num [.]	Not reported	
Container Num	Not reported	
Year Installed:	Not reported	
Tank Capacity	Not reported	
Tank Used for:	Not reported	
Type of Fuel:	Not reported	
Container Construction Th	ickness: Not reported	
Leak Detection:	Not reported	
Click here for Geo Tracke	PDF:	
Eacility ID: 1900	12/81	
Populated By: LITN	KV	
Regulated Dy. 011	0056	
Cortoso Codo: Not	second second	
SIC Code: Not	eported	
Sic Code. Not		
Mail Ta:	ionorted	
Mailing Address: 0.PC		
Mailing Address. UBC		
Mailing Address 2: Not	еропеа	
Carta at:	INA secondaria	
Contact: Not		
Contact Phone: Not		
NDDES Number: Not	eponea	
NPDES Number: Not	eponea	
EPAID: Not	reported	
Comments: Not	reported	
Status: Activ	e	
LOS ANGELES CO. HMS		
Region: LA		
Permit Category: 1		
. chine catogory. I		

UNION SERVICE STATION (Continued)

Contact email:

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

S101583065

	Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status:	005314-10 00 Closed 6B 00002146. Closed	5514 J		
	Region: Permit Category Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status:	LA T 010406-01 0 Closed 6B 00001734' Closed	10313 T		
	Region: Permit Category Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status:	LA T 010406-02 0 Removed 6B 00020488 Removed	24965 5		
I33 WSW < 1/8 0.091 mi.	WADLEY A E 826 E SAN BERNA BURBANK, CA	RDINO RD		EDR Hist Au	ito 1009016908 N/A
480 ft.	Site 1 of 2 in cluster	I			
Relative: Lower	EDR Hist Auto				
Actual: 615 ft.	Year: Name: 1937 WADLE	YAE		Type: GASOLINE AND OIL SERVICE STATIONS	
34 ENE < 1/8 0.098 mi. 517 ft.	EXCELITAS TECHNO 1330 E CYPRESS ST COVINA, CA 91724	DLOGIES CO	DRP	RCRA-SC E	QG 1000231469 MI CAD981396252
Relative:	RCRA-SQG:				
Higher	Date form receiv	/ed by agenc	Y:04/22/2016 EXCELITAS TECHNOL	OGIES CORP	
Actual: 669 ft.	Facility address		1330 E CYPRESS ST COVINA, CA 91724		
	EPA ID: Mailing address	:	CAD981396252 E CYPRESS ST COVINA, CA 91724		
	Contact: Contact address	3:	GARY KOZLOWSKI E CYPRESS ST		
	Contact country Contact telepho	: ne:	US 626-593-6726		

GARY.KOZLOWSKI@EXCELITAS.COM

EDR ID Number Database(s) EPA ID Number

EXCELITAS TECHNOLOGIES CO	RP (Continued)	1000231469
EPA Region: Classification: Description:	09 Small Small Quantity Generator 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: Owner/operator address:	EXCELITAS TECHNOLOGIES CORP HEADQUARTERS 200 W ST STE E403 WALTHAM. MA 02451	
Owner/operator country:	US	
Owner/operator telephone:	855-382-2677	
Owner/operator email:	Not reported	
Owner/operator fax:	Not reported	
Owner/operator extension:	Not reported	
Legal status:	Other	
Owner/Operator Type:	Owner	
Owner/Op start date:	11/30/2010	
Owner/Op end date:	Not reported	
Owner/operator name:	EXCELITAS TECHNOLOGIES CORP	
Owner/operator address:	Not reported	
	Not reported	
Owner/operator country:	US	
Owner/operator telephone:	Not reported	
Owner/operator email:	Not reported	
Owner/operator fax:	Not reported	
Owner/operator extension:	Not reported	
Legal status:	Other	
Owner/Operator Type:	Operator	
Owner/Op start date:	11/30/2010	
Owner/Op end date:	Not reported	
Handler Activities Summary:		
U.S. importer of hazardous wa	aste: No	
Mixed waste (haz. and radioa	ctive): No	
Recycler of hazardous waste:	No	
Transporter of hazardous was	ste: 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 oll refiner:	INO arr No	
Used oil Specification market	er. No	
Lised oil transfer facility:	No	
Used oil transporter	No	
. Waste code:	141	
. Waste name:	Off-specification, aged, or surplus inorganics	
. Waste code:	171	

Database(s)

EDR ID Number EPA ID Number

EXCELITAS TECHNOLOGIES CORP (Continued)			1000231469
	Waste name:	Metal sludge (see 121)	
	Waste code:	181	
	Waste name:	Other inorganic solid waste	
	Waste code:	212	
	Waste name:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)	
	Wasta anda:	214	
	Waste name:	Unspecified solvent mixture	
		•	
	Waste code:	221 Waste all and mixed all	
•	waste name.	waste oli and mixed oli	
	Waste code:	331	
	Waste name:	Off-specification, aged, or surplus organics	
	Waste code:	343	
	Waste name:	Unspecified organic liquid mixture	
	Wests and a	252	
	Waste name:	Other organic solids	
	Waste code:	513 Forst constring the start of a selling	
•	waste name:	Empty containers less than 30 gallons	
	Waste code:	D001	
	Waste name:	IGNITABLE WASTE	
	Waste code:	D002	
	Waste name:	CORROSIVE WASTE	
		D 224	
•	Waste code: Waste name:	ARSENIC	
-			
	Waste code:	D006	
	vvaste name:	CADMIUM	
	Waste code:	D008	
	Waste name:	LEAD	
	Waste code:	D011	
	Waste name:	SILVER	
	Maata aada:	E002	
	Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE,	ACETONE, ETHYL
-		ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KE	TONE, N-BUTYL
		ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVE	NT
		MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE	SPENT
		NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTUR	
		SOLVENTS AND A TOTAL OF TEN PERCENT OR MORE (RV VOLUM	
		MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005	: AND STILI
		BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AN	ID SPENT SOLVENT
		MIXTURES.	

. Waste code:

F005

Map ID Direction Distance	Site	MAP FINDINGS	Database(e)	EDR ID Number
	EXCELITAS TECHNOLOG	ES CORP (Continued)		1000231469

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:	
Date form received by agency	:03/07/2013
Site name:	EXCELITAS TECHNOLOGIES CORP
Classification:	Small Quantity Generator
Waste code:	1/1
Waste name	Off-specification aged or surplus inorganics
. Waste hame.	on specification, aged, or surplus morganics
. Waste code:	171
. Waste name:	Metal sludge (see 121)
. Waste code:	181
. Waste name:	Other inorganic solid waste
Waste code:	212
Waste name:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
. Waste code:	214
. Waste name:	Unspecified solvent mixture
. Waste code:	221
. Waste name:	Waste oil and mixed oil
Waste code:	331
Waste name:	Off-specification aged or surplus organics
. Waste hame.	On-specification, aged, or surplus organics
. Waste code:	343
. Waste name:	Unspecified organic liquid mixture
. Waste code:	352
. Waste name:	Other organic solids
Wests and a	510
Waste name:	515 Empty containers less than 30 gallons
. Waste name.	Empty containers less than 50 galons
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
	Deck
. Waste code:	
. waste name:	AKSENIU
. Waste code	D006
. Waste name:	CADMIUM
. Waste code:	D008
. Waste name:	LEAD

Database(s)

EXCELITAS TECHNOLOGIES C	ORP (Continued)	1000231469
. Waste code: . Waste name:	D011 SILVER	
. Waste code: . Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTY ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT S MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE AL NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT N	LENE, ACETONE, ETHYL YL KETONE, N-BUTYL SOLVENT BOVE SPENT IIXTURES/BLENDS
	SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE OF THE ABOVE N SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VC MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVEN MIXTURES.	ONHALOGENATED DLUME) OF ONE OR) F005; AND STILL TS AND SPENT SOLVENT
. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TO KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZ 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOL CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR M ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENT LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM T THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	LUENE, METHYL ETHYL ZENE, .VENT MIXTURES/BLENDS IORE (BY VOLUME) OF 'S OR THOSE SOLVENTS HE RECOVERY OF
Date form received by agen	cy:01/03/2011	
Site name: Classification:	EXCELITAS TECHNOLOGIES SENSORS INC Small Quantity Generator	
. Waste code: . Waste name:	135 Unspecified aqueous solution	
. Waste code: . Waste name:	141 Off-specification, aged, or surplus inorganics	
. Waste code: . Waste name:	181 Other inorganic solid waste	
. Waste code: . Waste name:	212 Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)	
. Waste code: . Waste name:	213 Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)	
. Waste code: . Waste name:	214 Unspecified solvent mixture	
. Waste code: . Waste name:	343 Unspecified organic liquid mixture	
. Waste code: . Waste name:	352 Other organic solids	
. Waste code: . Waste name:	551 Laboratory waste chemicals	
. Waste code: . Waste name:	D001 IGNITABLE WASTE	

Database(s)

EXCEL	LITAS TECHNOLOGIES CO	RP (Continued)	1000231469
	Waste code:	D002	
	Waste name:	CORROSIVE WASTE	
	Waste code:	D004	
	Waste name:	ARSENIC	
	Waste code:	D006	
•	Waste name:	CADMIUM	
	Waste code:	D007	
	Waste name:	CHROMIUM	
	Waste code:	D008	
	Waste name:	LEAD	
	Waste code:	D011	
	Waste name:	SILVER	
	Waste code:	D035	
	Waste name:	METHYL ETHYL KETONE	
	Waste code:	F003	
	Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE,	ACETONE, ETHYL
		ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KE	TONE, N-BUTYL
		ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVE	INT
		MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE	SPENT
		NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTUR	RES/BLENDS
		CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHA	
		MODE OF THOSE SOLVENTS LISTED IN FORM FOR AND FOR	
		BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AN	
		MIXTURES	
	Waste code:	F005	
	Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUEN	E, METHYL ETHYL
		KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,	
		2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT	MIXTURES/BLENDS
		CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE	(BY VOLUME) OF
		ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR	THOSE SOLVENTS
		LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RI	ECOVERY OF
		THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	
D	ate form received by agency	r:11/29/2001	
S	lite name:	PERKINELMER	
C	Classification:	Small Quantity Generator	
	Waste code:	D000	
	Waste name:	Not Defined	
	Waste code:	D001	
	Waste name:	IGNITABLE WASTE	
	Waste code:	D006	
	Waste name:	CADMIUM	
-			
	Waste code:	D008	
	Waste name:	LEAD	

Database(s)

EXCELITAS TECHNOLOGIES CO	ORP (Continued)	1000231469
. Waste code:	D009		
. Waste name:	MERCURY		
. Waste code:	F002		
. Waste name:	THE FOLLOWI METHYLENE (CHLOROBENZ ORTHO-DICHI TRICHLOROE USE, A TOTAL ABOVE HALOO E005: AND ST	ING SPENT HALOGENATED SOLVENTS: TETRACHLC CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLORO ZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, LOROBENZENE, TRICHLOROFLUOROMETHANE, AND THANE; ALL SPENT SOLVENT MIXTURES/BLENDS CO . OF TEN PERCENT OR MORE (BY VOLUME) OF ONE GENATED SOLVENTS OR THOSE SOLVENTS LISTED UL BOTTOMS EROM THE PECOVERY OF THESE SPE	DROETHYLENE, DETHANE, D 1,1,2, ONTAINING, BEFORE OR MORE OF THE IN F001, F004, AND
	SPENT SOLVE	ENT MIXTURES.	
. Waste code: . Waste name:	F003 THE FOLLOW ACETATE, ETI ALCOHOL, CY MIXTURES/BL NONHALOGE CONTAINING, SOLVENTS, A MORE OF THO BOTTOMS FR MIXTURES.	ING SPENT NONHALOGENATED SOLVENTS: XYLENE HYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KI CLOHEXANONE, AND METHANOL; ALL SPENT SOLV ENDS CONTAINING, BEFORE USE, ONLY THE ABOVI NATED SOLVENTS; AND ALL SPENT SOLVENT MIXTL BEFORE USE, ONE OR MORE OF THE ABOVE NONH ND A TOTAL OF TEN PERCENT OR MORE (BY VOLUM DSE SOLVENTS LISTED IN F001, F002, F004, AND F00 OM THE RECOVERY OF THESE SPENT SOLVENTS A	E, ACETONE, ETHYL ETONE, N-BUTYL ENT E SPENT JRES/BLENDS JALOGENATED ME) OF ONE OR J5; AND STILL ND SPENT SOLVENT
Date form received by agency	y:03/10/1994		
Site name: Classification:	EG&G POWER	Generator	
Date form received by agency	y:02/29/1992		
Site name: Classification:	EG & G POWE	R SYSTEMS Generator	
Classification.		Cenerator	
Date form received by agency	y:06/25/1991		
Site name:	EG & G ALMO	ND INSTRUMENTS	
Classification:	Large Quantity	Generator	
Violation Status:	No violations for	bund	
EMI			
Year:		1987	
County Code:		19	
Air Basin:		SC	
Facility ID:		35087	
Air District Name:		SC	
SIC Code:		3674	
Air District Name:		SOUTH COAST AQMD	
Community Health Air Pollution	on Info System:	Not reported	
Consolidated Emission Reporting Rule:		Not reported	
Total Organic Hydrocarbon G	Bases Tons/Yr:	2	
Reactive Organic Gases Ton	s/Yr:	1	
Carbon Monoxide Emissions	Ions/Yr:	0	
NUX - Uxides of Nitrogen Toi	ns/Yr:	U	
SUX - Uxides of Sulphur I on	IS/ Y I':		
Particulate Matter Tons/YF: Part, Matter 10 Micrometers	and Smllr Tons/Y	0 r:0	

Database(s) EPA ID

EDR ID Number EPA ID Number

EXCELITAS TECHNOLOGIES CORP (Continued)

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	35087
Air District Name:	SC
SIC Code:	3674
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:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Y	r:0
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	35087
Air District Name:	SC
SIC Code:	3674
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:	10
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Y	r:0
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	35087
Air District Name:	SC
SIC Code:	3674
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:	10
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Y	r:0
Veen	1000
	1990
County Code:	19
	3U
	35087
AIR DISTRICT NAME:	3U
	30/4

1000231469

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

1000231469

EXCELITAS TECHNOLOGIES CORP (Continued))
EXCELITAS TECHNOLOGIES CORP (Continued) Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code:	SOUTH COAST AQMD Not reported Not reported 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	SOT4 SOUTH COAST AQMD Not reported 7 5 0 0 0 0 0 0 0 0 0 0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	1998 19 SC 35087 SC 3674 SOUTH COAST AQMD Not reported Not reported 7 5 0 0 0 0 0 0 0 0 0 0 0 0 0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr:	1999 19 SC 35087 SC 3674 SOUTH COAST AQMD Not reported Not reported 7 5 0

Database(s)

EDR ID Number EPA ID Number

1000231469

EXCELITAS TECHNOLOGIES CORP (Continued)

NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	0 0 0 ::0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	2000 19 SC 35087 SC 3674 SOUTH COAST AQMD Not reported Not reported 7 5 0 0 0 0 0 0 0 0 0 0 0 0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	2001 19 SC 35087 SC 3674 SOUTH COAST AQMD Not reported Not reported 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0

J35 WNW < 1/8 0.101 mi. 531 ft.	GRAND CA 744 N GRAN COVINA, CA Site 1 of 5 in	R WASH* ND AVE A 91791 n cluster J		EDR Hist Auto	1020368098 N/A
Relative: Lower	EDR Hist	Auto			
	Year:	Name:	Type:		
Actual:	1977	GRAND CAR WASH*	Carwashes		
627 ft.	1978	GRAND CAR WASH*	Carwashes		
	1979	GRAND CAR WASH*	Carwashes		
	1980	GRAND CAR WASH*	Carwashes		
	1982	GRAND CAR WASH*	Carwashes		
	1983	GRAND CAR WASH*	Carwashes		
	1985	GRAND CAR WASH*	Carwashes		
	1986	GRAND CAR WASH	Carwashes		
	1987	F & W GRAND AUTO CARE INC	Carwashes		
	1988	F & W GRAND AUTO CARE INC	Carwashes		

Database(s)

EDR ID Number EPA ID Number

1020368098

GRAND CAR WASH* (Continued)

1989 F & W GRAND AUTO CARE INC 1990 F & W GRAND AUTO CARE INC F & W GRAND AUTO CARE INC 1991 1992 F & W GRAND AUTO CARE INC 1993 F & W GRAND AUTO CARE INC 1993 EXECUTIVE GLASS TINTING 1994 F & W GRAND AUTO CARE INC EXECUTIVE GLASS TINTING 1994 1995 EXECUTIVE GLASS TINTING 1995 F & W GRAND AUTO CARE INC 1996 **EXECUTIVE GLASS TINTING** 1996 F & W GRAND AUTO CARE INC 1997 EXECUTIVE GLASS TINTING GRAND AUTO CARE 1997 1997 F & W GRAND AUTO CARE INC 1998 GRAND AUTO CARE EXECUTIVE GLASS TINTING 1998 1998 F & W GRAND AUTO CARE INC 1999 EXECUTIVE GLASS TINTING 1999 GRAND AUTO CARE F & W GRAND AUTO CARE INC 1999 2000 F & W GRAND AUTO CARE INC 2000 GRAND AUTO CARE 2000 EXECUTIVE GLASS TINTING 2001 F & W GRAND AUTO CARE INC 2001 FRANCO GEORGE 2001 GRAND AUTO CARE 2002 GRAND AUTO CARE 2002 FRANCO GEORGE 2002 F & W GRAND AUTO CARE INC 2003 GRAND AUTO CARE 2003 EXECUTIVE GLASS TINTING F & W GRAND AUTO CARE INC 2003 2004 F & W GRAND AUTO CARE INC 2004 GRAND AUTO CARE EXECUTIVE GLASS TINTING 2004 2005 GRAND AUTO CARE 2005 **EXECUTIVE GLASS TINTING** 2005 F & W GRAND AUTO CARE INC 2006 F & W GRAND AUTO CARE INC 2006 GRAND AUTO CARE 2006 EXECUTIVE GLASS TINTING 2007 F & W GRAND AUTO CARE INC 2007 EXECUTIVE GLASS TINTING 2007 GRAND AUTO CARE 2008 EXECUTIVE GLASS TINTING 2008 GRAND AUTO CARE 2008 F & W GRAND AUTO CARE INC 2009 GRAND AUTO CARE 2009 EXECUTIVE GLASS TINTING 2009 F & W GRAND AUTO CARE INC 2010 F & W GRAND AUTO CARE INC 2010 GRAND AUTO CARE 2010 EXECUTIVE GLASS TINTING F & W GRAND AUTO CARE INC 2011 2011 GRAND AUTO CARE 2011 EXECUTIVE GLASS TINTING

Carwashes Carwashes Carwashes Carwashes Carwashes General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes Carwashes General Automotive Repair Shops General Automotive Repair Shops General Automotive Repair Shops General Automotive Repair Shops Carwashes Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops

General Automotive Repair Shops General Automotive Repair Shops

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number **EPA ID Number**

GRAND CAR WASH* (Continued)

2012 2012	GRAND AUTO CARE EXECUTIVE GLASS TINTING
2012	F & W GRAND AUTO CARE INC
2013	EXECUTIVE GLASS TINTING
2013	F & W GRAND AUTO CARE INC
2013	GRAND AUTO CARE
2014	GRAND AUTO CARE
2014	F & W GRAND AUTO CARE INC
2014	EXECUTIVE GLASS TINTING

1020368098

General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops Carwashes General Automotive Repair Shops General Automotive Repair Shops Carwashes General Automotive Repair Shops

> LUST U001569264

HIST CORTESE

N/A

HIST UST

WNW	744 NORTH GRAND	AVENUE

F&W GRAND AUTO CARE INC

< 1/8	COVINA, CA 91724
0.101 mi.	
531 ft.	Site 2 of 5 in cluster J

LUST:

Relative:
Lower

J36

Lower	Region:	STATE
	Global Id:	T1000000523
Actual:	Latitude:	34.0936281
627 ft.	Longitude:	-117.8724485
	Case Type:	LUST Cleanup Site
	Status:	Completed - Case Closed
	Status Date:	03/10/2014
	Lead Agency:	SWRCB
	Case Worker:	MC
	Local Agency:	LOS ANGELES COUNTY
	RB Case Number:	Not reported
	LOC Case Number:	TT010903-025682
	File Location:	Not reported
	Potential Media Affect:	Not reported
	Potential Contaminants of Concern:	Not reported
	Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Cont

ontact:	
Global Id:	T1000000523
Contact Type:	Local Agency Caseworker
Contact Name:	IHEANACHO OFO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	iofo@dpw.lacounty.gov
Phone Number:	6264583512
Global Id:	T1000000523
Contact Type:	Regional Board Caseworker
Contact Name:	MATTHEW COHEN
Organization Name:	SWRCB
Address:	1001 I Street
City:	SACRAMENTO
Email:	mcohen@waterboards.ca.gov
Phone Number:	9163415751
Global Id:	T1000000523
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG

Database(s)

EDR ID Number EPA ID Number

F&W GRAND AUTO CARE INC (Continued)

Organization Name: LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Address: Los Angeles City: Email: yrong@waterboards.ca.gov Phone Number: Not reported Status History: Global Id: T1000000523 Status: Completed - Case Closed Status Date: 03/10/2014 Global Id: T1000000523 Status: Open - Case Begin Date 04/06/2007 Status Date: T1000000523 Global Id: Status: Open - Eligible for Closure Status Date: 11/12/2013 T1000000523 Global Id: **Open - Site Assessment** Status: 04/06/2007 Status Date: **Regulatory Activities:** Global Id: T1000000523 Action Type: RESPONSE Date: 04/17/2006 Tank Removal Report / UST Sampling Report Action: Global Id: T1000000523 Action Type: RESPONSE Date: 04/17/2006 Action: Unauthorized Release Form Global Id: T1000000523 Action Type: RESPONSE Date: 09/16/2007 Action: Soil and Water Investigation Workplan T1000000523 Global Id: Action Type: RESPONSE Date: 02/10/2009 Action: Soil and Water Investigation Report Global Id: T1000000523 Action Type: RESPONSE Date: 02/10/2009 Action: Site Assessment Report T1000000523 Global Id: Action Type: ENFORCEMENT Date: 09/13/2006 Action: Clean Up Fund - Letter to RP Global Id: T1000000523 Action Type: ENFORCEMENT

U001569264

Database(s)

EDR ID Number EPA ID Number

F&W GRAND AUTO CARE INC (Continued)

Global Id: T1000000523 Action Type: ENFORCEMENT Date: 11/04/2009	Date: Action:	06/10/2008 Staff Letter
Action: Closure/No Further Action Lette	Global Id: Action Type: Date: Action:	T1000000523 ENFORCEMENT 11/04/2009 Closure/No Further Action Letter

Region:	STATE
Global Id:	T0603730388
Latitude:	34.093495
Longitude:	-117.872058
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/01/2009
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	TS
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	Not reported
LOC Case Number:	CLUP# 518626
File Location:	Not reported
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:
Contact Type:
Contact Name:
Organization Name:
Address:
City:
Email:
Phone Number:

Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:

Status History: Global Id: Status: Status Date:

Global Id: Status: Status Date:

Global Id:

T0603730388 Local Agency Caseworker TIM SMITH LOS ANGELES COUNTY 900 S. FREMONT AVE. ALHAMBRA tsmith@dpw.lacounty.gov Not reported

T0603730388 Regional Board Caseworker YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported

T0603730388 Completed - Case Closed 12/01/2009

T0603730388 Open - Case Begin Date 03/07/2006

T0603730388

TC5091224.2s Page 66

U001569264

Database(s)

EDR ID Number EPA ID Number

F&W GRAND AUTO CARE INC (Continued) Status: **Open - Site Assessment** 04/06/2007 Status Date: **Regulatory Activities:** Global Id: T0603730388 Action Type: ENFORCEMENT Date: 11/04/2009 Closure/No Further Action Letter - #C619591 Action: Global Id: T0603730388 Action Type: Other Date: 04/17/2006 Action: Leak Reported Global Id: T0603730388 Other Action Type: 03/07/2006 Date: Action: Leak Discovery HIST UST: File Number: 000262DE URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000262DE.pdf Region: STATE Facility ID: 00000017183 Facility Type: Gas Station Other Type: CAR WASH Contact Name: GEORGE COOK Telephone: 8189673638 Owner Name: AMBROSE S. WEHNER Owner Address: 744 N GRAND AVE. Owner City,St,Zip: COVINA, CA 91724 Total Tanks: 0004 001 Tank Num: Container Num: 1 Year Installed: 1977 00010000 Tank Capacity: PRODUCT Tank Used for: Type of Fuel: UNLEADED Container Construction Thickness: Not reported Leak Detection: Stock Inventor 002 Tank Num: Container Num: 2 Year Installed: 1982 Tank Capacity: 00012000 PRODUCT Tank Used for: Type of Fuel: UNLEADED **Container Construction Thickness:** Not reported Leak Detection: Stock Inventor Tank Num: 003 Container Num: 3 Year Installed: 1977 Tank Capacity: 00010000

U001569264

Database(s)

EDR ID Number EPA ID Number

U001569264

Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection:	PRODUCT REGULAR Not reported Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1977
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported Stock Inventor
Louid Dottootion.	

Click here for Geo Tracker PDF:

HIST CORTESE:	
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-10879

J37 WNW < 1/8 0.101 mi.	GRAND CARWASH 744 GRAND AVE N COVINA, CA 91724	
531 ft.	Site 3 of 5 in cluster J	
Relative: Lower Actual: 627 ft.	LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect: Potential Contaminants of Concern: Site History:	STATE T0603703670 34.093495 -117.872058 LUST Cleanup Site Completed - Case Closed 07/08/1996 LOS ANGELES RWQCB (REGION 4) YR LOS ANGELES COUNTY I-10879 Not reported Not reported Soil Gasoline Not reported
	Click here to access the California G	anTracker records for this facility:
	Click here to access the California G	
	Contact:	
	Global Id:	T0603703670
	Contact Type:	Local Agency Caseworker
	Contact Name:	JOHN AWUJO

LOS ANGELES COUNTY

jawujo@dpw.lacounty.gov

900 S FREMONT AVE

ALHAMBRA

6264583507

Organization Name:

Phone Number:

Address:

City:

Email:

LUST S105033719 N/A

Regional Board Caseworker

yrong@waterboards.ca.gov

Completed - Case Closed

Open - Case Begin Date

LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200

T0603703670

YUE RONG

Los Angeles

Not reported

T0603703670

T0603703670

T0603703670

T0603703670

T0603703670

Leak Reported T0603703670

Other 03/20/1990

Other

Other 02/23/1990

02/23/1990

Leak Discovery

T0603703670

Leak Stopped

Open - Remediation

Open - Site Assessment

07/08/1996

02/23/1990

03/19/1992

02/23/1990

Database(s)

EDR ID Number EPA ID Number

GRAND CARWASH (Continued)

Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number: Status History: Global Id: Status: Status Date:

Regulatory Activities: Global Id: Action Type: Date: Action:

> Global Id: Action Type: Date: Action:

Global Id: Action Type: Date: Action:

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-10879	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at	the Site:	Ν
Global ID:	T0603703670	
W Global ID:	Not reported	

Not reported

S105033719

Database(s)

EDR ID Number EPA ID Number

ND CARWASH (Contin	ued)		S105033719
Staff:	UNK		
Local Agency:	19000		
Cross Street:	CYPRESS AVE.		
Enforcement Type:	Not reported		
Date Leak Discovered:	2/23/1990		
Date Leak First Reported	d:	3/20/1990	
Date Leak Record Enter	ed: 4/12/1990		
Date Confirmation Bega	n: Not reported		
Date Leak Stopped:	2/23/1990		
Date Case Last Change	d on Database:	1/22/1996	
Date the Case was Clos	ed:	7/8/1996	
How Leak Discovered:	OM		
How Leak Stopped:	Not reported		
Cause of Leak:	UNK		
Leak Source:	UNK		
Operator:	PRIEL. GIL		
Water System:	Not reported		
Well Name:	Not reported		
Approx. Dist To Product	on Well (ft):	4075.545738609327328858460837	
Source of Cleanup Fund	ina:	UNK	
Preliminary Site Assess	nent Workplan Submitt	ed. Not reported	
Preliminary Site Assess	nent Began:	2/23/1990	
Pollution Characterizatio	n Began:	Not reported	
Remediation Plan Subm	itted:	3/19/1992	
Remedial Action Underw	lav.	Not reported	
Post Remedial Action M	onitorina Beaan:	Not reported	
Enforcement Action Date	ormoning Bogan.	Not reported	
Historical Max MTRF Da	te.	Not reported	
Hist Max MTRE Conc in	Groundwater:	Not reported	
Hist Max MTBE Conc in	Soil.	Not reported	
Significant Interim Reme	dial Action Taken	Not reported	
GW Qualifier	Not reported	Not reported	
Soil Qualifier:	Not reported		
Organization:	Not reported		
Organization. Owner Contact:	Not reported		
Donner Contact.			
Responsible Failty.			
RF Address.	144 GRAND AVE.,	N., COVINA, 91724	
Program.			
Lat/Long:	34.0935281 / -1		
Local Agency Statt:	Not reported		
Denencial USE:	Not reported		
Priority:	Not reported		
Sleanup Fund Id:	Not reported		
Suspended:	Not reported		
Assigned Name:	Not reported		
Summary:	Not reported		

J38 WNW < 1/8 0.101 mi.	GRAND CAR WASH 744 N GRAND AVE COVINA, CA 91724	
531 ft.	Site 4 of 5 in cluster J	
Relative: Lower	SWEEPS UST: Status: Comp Number:	Active
Actual: 627 ft.	Number: Board Of Equalization:	9 44-009049

SWEEPS UST S101618857 CA FID UST N/A LOS ANGELES CO. HMS

Database(s)

EDR ID Number EPA ID Number

GRAND CAR WASH (Continued)

Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010879-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	4
Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 10879 9 44-009049 06-30-89 Not reported 06-30-89 Not reported 19-000-010879-000002 A Not reported 06-30-89 UNKNOWN W Not reported Not reported Not reported Not reported
Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 10879 9 44-009049 06-30-89 Not reported 06-30-89 Not reported 19-000-010879-000003 A Not reported 06-30-89 UNKNOWN W Not reported Not reported Not reported Not reported
Status:	Active
Comp Number:	10879
Number:	9
Board Of Equalization:	44-009049
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010879-000004
Tank Status:	A

Database(s)

EDR ID Number EPA ID Number

S101618857

GRAND CAR WASH (Continued)

Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks	:: Not reported
CA FID UST: Facility ID: Regulated By: Regulated ID: Cortese Code: SIC Code: Facility Phone: Mail To: Mailing Address: Mailing Address 2 Mailing City,St,Zip Contact: Contact Phone: DUNs Number: NPDES Number: EPA ID: Comments: Status:	19002404 UTNKA 00017183 Not reported Not reported 818000000 Not reported 744 N GRAND AVE Mot reported Not reported
LOS ANGELES CO.	HMS:
Region:	LA
Permit Category:	T
Facility Id:	010903-010879
Facility Type:	0
Facility Status:	Closed
Area:	6B
Permit Number:	00002318T
Permit Status:	Closed
Region:	LA
Permit Category:	Not reported
Facility Id:	010903-040383
Facility Type:	Not reported
Facility Status:	00PEN
Area:	6B
Permit Number:	Not reported
Permit Status:	Not reported

J39	F&W GRAND AUTO CARE INC
WNW	744 N GRAND AVE
< 1/8	COVINA, CA 91724
0.101 mi.	
531 ft.	Site 5 of 5 in cluster J
Relative:	UST:
Lower	Facility ID:

Lower	Facility ID:	25682		
	Permitting Agency:	LOS ANGELES COUNTY		
Actual:	Latitude:	34.0949238		
627 ft.	Longitude:	-117.8707726		
621 II.	Longitude:	-117.8707726		

UST U003939682 LOS ANGELES CO. HMS N/A

Database(s)

EDR ID Number EPA ID Number

U003939682

F&W GRAND AUTO CARE INC (Continued)

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	Т
Facility Id:	010903-025682
Facility Type:	0
Facility Status:	Removed
Area:	6B
Permit Number:	000214382
Permit Status:	Removed

F40 West < 1/8 0.103 mi.	ROTARY COMPONENTS INC 816 E EDNA PL COVINA, CA 91723	RCRA-SQG FINDS ECHO EMI	1000156608 CAD009662982
542 ft.	Site 3 of 3 in cluster F		
Relative: Lower Actual: 619 ft.	RCRA-SQG: Date form received by agend Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone:	cy: 09/01/1996 ROTARY COMPONENTS INC 816 E EDNA PL COVINA, CA 91723 CAD009662982 Not reported Not reported Not reported US Not reported	
	Contact email: EPA Region: Classification: Description:	Not reported 09 Small Small Quantity Generator 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: Owner/operator address:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999	
	Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	Not reported 415-555-1212 Not reported Not reported Private Operator Not reported Not reported	
	Owner/operator name: Owner/operator address:	CORPORATION NOT REQUIRED NOT REQUIRED, ME 99999	
	Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax:	Not reported 415-555-1212 Not reported Not reported	

ROTARY COMPONENTS INC (Continued)

MAP FINDINGS

Database(s)

Owner/operator	extension:	Not re	eported		
Legal status:	_	Privat	te		
Owner/Operator	Type:	Owne			
Owner/Op start o		NOT IN	eponed		
Owner/Op end d	ate:	NOT I	eported		
Handler Activities S	ummary:				
U.S. importer of I	hazardous wa	ste:	No		
Mixed waste (ha:	z. and radioac	tive):	No		
Recycler of haza	rdous waste:		No		
Transporter of ha	azardous wast	e:	No		
Treater, storer or	r disposer of H	W:	No		
Underground inje	ection activity:		No		
On-site burner ex	xemption:		NO		
Furnace exempti	ion:		NO		
Used oil fuel buri	ner:		NO		
User oil refiner:	01.		No		
Used oil fuel mar	rketer to burne	r.	No		
Used oil Specific	ation markete	r:	No		
Used oil transfer	facility:	•	No		
Used oil transpor	rter:		No		
Historical Generato	rs:				
Date form receiv	ed by agency:	07/23	/1980		
Site name:		ROT	ARY COMPONENTS INC		
Classification:		Large	Quantity Generator		
Violation Status:		No vi	olations found		
FINDS:					
Registry ID:		1100	02637709		
Environmental In	nterest/Informa	tion S	system		
	California Ha	azardo	ous Waste Tracking System - Datamart (HWTS-DATAMART)		
	provides Cal	ifornia	a with information on hazardous waste shipments for		
	generators,	transp	oorters, and treatment, storage, and disposal		
	facilities.				
	RCRAInfo is	a nat	ional information system that supports the Resource		
	Conservation	n and	Recovery Act (RCRA) program through the tracking of		
	events and activities related to facilities that generate transport				
	and treat, sto	ore, o	r dispose of hazardous waste. RCRAInfo allows RCRA		
	program stat	ff to tr	ack the notification, permit, compliance, and		
	corrective ac	ction a	activities required under RCRA.		
	Click this hy additional FI	perlinl NDS:	while viewing on your computer to access detail in the EDR Site Report.		
			·		
ECHO:					
Envid:			1000156608		
Registry ID:			110002637709		
DFR URL:			http://echo.epa.gov/detailed-facility-report?fid=110002637709		

Database(s)

EDR ID Number EPA ID Number

ROTARY COMPONENTS INC (Continued)

EMI: 1987 Year: County Code: 19 Air Basin: SC Facility ID: 21888 Air District Name: SC SIC Code: 3444 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: 0 NOX - Oxides of Nitrogen Tons/Yr: 0 SOX - Oxides of Sulphur Tons/Yr: 0 Particulate Matter Tons/Yr: 0 Part. Matter 10 Micrometers and Smllr Tons/Yr:0 1990 Year: County Code: 19 Air Basin: SC Facility ID: 21888 Air District Name: SC SIC Code: 3599 SOUTH COAST AQMD Air District Name: Not reported Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 2 Reactive Organic Gases Tons/Yr: 1 Carbon Monoxide Emissions Tons/Yr: 0 NOX - Oxides of Nitrogen Tons/Yr: 0 SOX - Oxides of Sulphur Tons/Yr: 0 Particulate Matter Tons/Yr: 0 Part. Matter 10 Micrometers and Smllr Tons/Yr:0

I41 JOLLEY S GARAGE

WSW 806 E SAN BERNARDINO RD

< 1/8	BURBANK, CA		
0.105 mi.			
556 ft.	Site 2 of 2 in cluster I		
Relative:	EDR Hist Auto		
201101	Year: Name:		

	rour.	Nume.
Actual:	1937	JOLLEY S GARAGE
614 ft.		

EDR Hist Auto 1009015541 N/A

Type: AUTOMOBILE REPAIRING

า			MAP FINDINGS			EDR ID Number EPA ID Number
e n	Site				Database(s)	
i	GREEN TRANSMISSION 763 N DODSWORTH AV COVINA, CA 91724	IS LLC E			EDR Hist Auto	1020446516 N/A
	Site 1 of 2 in cluster K					
:	EDR Hist Auto					
	Year: Name: 2014 GREEN TR	ANSMISSIONS	Typ LLC Auto	e: omotive Transmission	Repair Shops	
i.	SEARS ROEBUCK AND 841 N DODSWORTH AV COVINA, CA 91724	CO E		LOS	HIST UST CA FID UST ANGELES CO. HMS	1000369023 N/A
	Site 2 of 2 in cluster K					
	HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner Address: Owner City,St,Zip: Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness:		0002825F http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002825F.pdf STATE 0000006592 Other APPLIANCE SERV. P. GRIFFITH 8189664231 SEARS, ROEBUCK & CO. 841 N. DODSWORTH AVE. COVINA, CA 91724 0001 001 01 Not reported 0001000 PRODUCT UNLEADED Not reported			
	Click here for Geo T CA FID UST: Facility ID: Regulated By: Regulated ID: Cortese Code: SIC Code: Facility Phone: Mail To: Mailing Address: Mailing Address 2: Mailing Address 2: Mailing City,St,Zip: Contact: Contact Phone: DUNs Number: NPDES Number: EPA ID: Comments:	racker PDF: 19019429 UTNKA 00006592 Not reported 818000000 Not reported 841 N DODSV Not reported 841 N DODSV Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported	NORTH AVE			

F
Database(s)

EDR ID Number EPA ID Number

1000369023

SEARS ROEBUCK AND CO (Continued)

00000953T

Removed

Status:ActiveLOS ANGELES CO. HMS:
Region:LAPermit Category:TFacility Id:009432-009239Facility Type:0Facility Status:RemovedArea:6B

Permit Number:

Permit Status:

L44 WNW 1/8-1/4 0.160 mi.	ASSOCIATED VACUUM TECHNO 814 N GRAND AVE COVINA, CA 91724	DLOGY RCRA-SQG FINDS ECHO	1000172319 CAD981372758		
846 ft.	Site 1 of 2 in cluster L				
Relative: Lower Actual: 629 ft.	RCRA-SQG: Date form received by agency Facility name: Facility address: EPA ID: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	iQG: form received by agency: 02/04/1986 ty name: ASSOCIATED VACUUM TECHNOLOGY ty address: 814 N GRAND AVE COVINA, CA 91724 ID: CAD981372758 act: JEFF GULLICK act address: 814 N GRAND AVE COVINA, CA 91724 act country: US act telephone: 818-967-3869 act email: Not reported Region: 09 sification: Small Small Quantity Generator ription: 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 during any calendar month, and accumulates more than 1000 kg of			
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/Operator Type: Owner/Op start date: Owner/Op start date: Owner/Op end date: Owner/Operator name: Owner/operator address: Owner/operator country: Owner/operator country:	HUNSAKER PO BOX 2423 SANTA ANA, CA 92707 Not reported 714-863-1390 Not reported Not reported Not reported Private Owner Not reported Not reported Not reported NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212			

Database(s)

EDR ID Number EPA ID Number

ASSOCIATED VACUUM TECHNOLOGY (Continued)

Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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

FINDS:

Registry ID:

110002684685

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.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: Registry ID: DFR URL: 1000172319 110002684685 http://echo.epa.gov/detailed-facility-report?fid=110002684685

1000172319

Database(s)

EDR ID Number EPA ID Number

L45 WNW 1/8-1/4	DUANTLESS MOLDS INC 806 N. GRAND AVE COVINA, CA 91724	RCRA-SQG FINDS ECHC	3 1000322451 3 CAD981396054)
846 ft.	Site 2 of 2 in cluster L		
846 ft. Relative: Lower Actual: 629 ft.	Site 2 of 2 in cluster L RCRA-SQG: Date form received by agend Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	by: 09/01/1996 DUANTLESS MOLDS INC 806 N. GRAND AVE COVINA, CA 91724 CAD981396054 ENVIRONMENTAL MANAGER 806 N. GRAND AVE COVINA, CA 91724 US Not reported Not reported Not reported 09 Small Small Quantity Generator 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	f
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator Type: Owner/Op start date: Owner/Op end date:	hazardous waste at any time DUMBECK D.G. NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported Not reported Private Owner Not reported Not reported Not reported Not reported Not reported	
	Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op start date: Owner/Op end date: Handler Activities Summary: U.S. importer of hazardous waste And waste (haz. and radio Recycler of hazardous waste Transporter of hazardous waste	NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported Not reported Private Operator Not reported Not reported Not reported Not reported Not reported State: No	

615 ft.

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

1000322451

DUANTLESS MOLDS INC (Continued)

	Treater, storer or o Underground inject On-site burner exe Furnace exemption Used oil fuel burner Used oil processo User oil refiner: Used oil fuel marke Used oil Specificat Used oil transfer f Used oil transport Historical Generators Date form receive Site name: Classification:	disposer of HW: ction activity: emption: in: er: ir: teter to burner: tion marketer: acility: er: s: d by agency:04/1 DUA Larg	No No No No No No No No No No No No No N	
	FINDS:	INO V	iolations tound	
	Registry ID:	1100	002692998	
	Environmental Int	erest/Information California Hazaro provides Californ generators, trans facilities. RCRAInfo is a na Conservation and events and activi and treat, store, o program staff to t corrective action STATE MASTER	System Jous Waste Tracking Syster ia with information on hazar porters, and treatment, stor ational information system the d Recovery Act (RCRA) pro- ties related to facilities that g or dispose of hazardous was rack the notification, permit, activities required under RC	n - Datamart (HWTS-DATAMART) dous waste shipments for age, and disposal nat supports the Resource gram through the tracking of generate, transport, ste. RCRAInfo allows RCRA , compliance, and CRA.
		Click this hyperlin additional FINDS	<u>ak</u> while viewing on your cor : detail in the EDR Site Rep	nputer to access ort.
	ECHO: Envid: Registry ID: DFR URL:		1000322451 110002692998 http://echo.epa.gov/de	tailed-facility-report?fid=110002692998
46 West 1/8-1/4 0.183 mi. 966 ft.	CLIPPINGER CHEVRO 777 E EDNA PL COVINA, CA 91723	DLET		UST LOS ANGELES CO. HMS NPDES
Relative: Lower	UST: Facility ID: Permitting Agency	/: LOS	34 ANGELES COUNTY	
Actual:	Latitude:	34.0	94821	

U003777101

N/A

Database(s)

EDR ID Number EPA ID Number

IPPINGER CHEVR	OLET (Continued)		U003
Longitude:	-117.873709		
LOS ANGELES CO). HMS [.]		
Region:	LA		
Permit Category:	: T		
Facility Id:	012978-013234		
Facility Type:	0		
Facility Status:	Removed		
Area:	6B		
Permit Number:	00004961T		
Permit Status:	Removed		
NPDES:			
Npdes Number:		CAS00002	
Facility Status:		Active	
Agency Id:		0	
Region:		4	
Regulatory Meas	sure Id:	485170	
Order No:		2009-0009-DWQ	
Regulatory Meas	sure Type:	Enrollee	
Place Id:		Not reported	
WDID:		4 19C379481	
Program Type:		Construction	
Adoption Date O	f Regulatory Measure:	Not reported	
Effective Date Of	f Regulatory Measure:	04/12/2017	
Expiration Date (Of Regulatory Measure:	Not reported	
Termination Date	e Of Regulatory Measure:	Not reported	
Discharge Name	:	Baldwin Park Homs	
Discharge Addre	ess:	1773 san bernardino road	
Discharge City:		west covina	
Discharge State:		California	
Discharge Zip:	_	91790	
RECEIVED DAT	E:	Not reported	
PROCESSED D	AIE:	Not reported	
STATUS CODE	NAME:	Not reported	
STATUS DATE:		Not reported	
PLACE SIZE:		Not reported	
PLACE SIZE UN		Not reported	
	ME-	Not reported	
		Not reported	
	-7-	Not reported	
		Not reported	
OPERATOR 7IP	· · · · ·	Not reported	
OPERATOR CO	NTACT NAME	Not reported	
OPERATOR CO	NTACT TITLE	Not reported	
OPERATOR CO	NTACT PHONE	Not reported	
OPERATOR CO	NTACT PHONE EXT	Not reported	
OPERATOR CO		Not reported	
OPERATOR TY	PE:	Not reported	
DEVELOPER NA	AME:	Not reported	

Not reported

DEVELOPER ADDRESS:

Not reported

Database(s)

EDR ID Number EPA ID Number

U003777101

CLIPPINGER CHEVROLET (Continued)

DEVELOPER CITY: DEVELOPER STATE: DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: TERTIARY SIC: Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: Discharge Address: **Discharge City: Discharge State:** Discharge Zip: **RECEIVED DATE:** PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE:

Not reported 4 485170 Not reported Construction Not reported 4 19C379481 Not reported 04/06/2017 04/12/2017 Active

04/12/2017

4.39

Database(s)

EDR ID Number EPA ID Number

U003777101

CLIPPINGER CHEVROLET (Continued)

PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: **OPERATOR NAME: OPERATOR ADDRESS:** OPERATOR CITY: **OPERATOR STATE:** OPERATOR ZIP: **OPERATOR CONTACT NAME: OPERATOR CONTACT TITLE:** OPERATOR CONTACT PHONE: OPERATOR CONTACT PHONE EXT: **OPERATOR CONTACT EMAIL:** OPERATOR TYPE: **DEVELOPER NAME:** DEVELOPER ADDRESS: DEVELOPER CITY: **DEVELOPER STATE:** DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: **TERTIARY SIC:**

Acres don cook vice president of construction 626-338-5650 Not reported kahotec@aol.com **Baldwin Park Homs** 1773 san bernardino road west covina California 91790 don cook vice president of construction 626-338-5650 Not reported kahotec@aol.com Private Business **Baldwin Park Homs** 1773 san bernardino road west covina California 91790 don cook vice president of construction Ν Not reported Not reported Ν Ν Ν Ν Ν Ν Ν Ν commercia / light industrial Y Ν Ν Ν Not reported Ν Ν Ν Not reported don cook vice president of construction 06-APR-17 Not reported Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

47 North 1/8-1/4 0.183 mi. 967 ft.	K V PRODUCTS 1060 EAST CYPRESS COVINA, CA 91724		RCRA-SQG FINDS ECHO	1000128788 CAD982477333
Relative: Higher	RCRA-SQG: Date form received by agency Facility name:	:08/06/1988 K V PRODUCTS		
Actual: 644 ft.	Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	1060 EAST CYPRESS COVINA, CA 91724 CAD982477333 EAST CYPRESS COVINA, CA 91724 ENVIRONMENTAL MANAGER 1060 EAST CYPRESS COVINA, CA 91724 US 818-967-3786 Not reported 09 Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg of waste during any calendar month and accumulates less tha hazardous waste at any time; or generates 100 kg or less of	hazardous n 6000 kg of f hazardous	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator telephone: Owner/operator fax: Owner/operator fax: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/Op end date: Owner/operator address: Owner/operator address: Owner/operator telephone: Owner/operator telephone: Owner/operator telephone: Owner/operator fax: Owner/operator fax: Owner/operator fax: Owner/operator fax: Owner/operator Type: Owner/Operator Type: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	JACK PRITCHARD NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported Not reported Private Owner Not reported Not reported NOT REQUIRED NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported At5-555-1212 Not reported Not reported		
	Handler Activities Summary: U.S. importer of hazardous wa Mixed waste (haz. and radioad	aste: No ctive): No		

Database(s)

EDR ID Number EPA ID Number

K V PRODUCTS (Continued)

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
Jsed oil fuel burner:	No
Jsed oil processor:	No
Jser oil refiner:	No
Jsed oil fuel marketer to burner:	No
Jsed oil Specification marketer:	No
Used oil transfer facility:	No
Jsed oil transporter:	No

Violation Status:

No violations found

FINDS:

Registry ID:

110002823525

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.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: Registry ID: DFR URL: 1000128788 110002823525 http://echo.epa.gov/detailed-facility-report?fid=110002823525

48 SW 1/8-1/4 0.192 mi. 1013 ft.	USA AUTO PAINT & BODY SHOP 632 GRAND AVE COVINA, CA 91724		RCRA-SQG FINDS ECHO	1000103236 CAD982015588
Relative:	RCRA-SQG:			
Lower	Date form received by agency	:07/21/1987		
	Facility name:	USA AUTO PAINT & BODY SHOP		
Actual:	Facility address:	632 GRAND AVE		
599 ft.		COVINA, CA 91724		
	EPA ID:	CAD982015588		
	Mailing address:	GRAND AVE		
	-	COVINA, CA 91724		
	Contact:	ENVIRONMENTAL MANAGER		
	Contact address:	632 GRAND AVE		
		COVINA, CA 91724		
	Contact country:	US		
	Contact telephone:	818-915-6487		
	Contact email:	Not reported		
	EPA Region:	09		

EDR ID Number Database(s) **EPA ID Number**

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: RON LENT Owner/operator address: NOT REQUIRED NOT REQUIRED, ME 99999 Owner/operator country: Not reported 415-555-1212 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Not reported Owner/operator extension: Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported NOT REQUIRED Owner/operator name: Owner/operator address: NOT REQUIRED NOT REQUIRED, ME 99999 Owner/operator country: Not reported Owner/operator telephone: 415-555-1212 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported 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 No

Used oil processor: 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

USA AUTO PAINT & BODY SHOP (Continued)

Violation Status:

No violations found

FINDS:

Registry ID:

110002776988

1000103236

Map ID		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	USA AUTO PAINT & BODY SHO Environmental Interest/Inform RCRAInfo Conservat events and and treat, s program si corrective	P (Continued) hation System is a national information system that supports the Res ion and Recovery Act (RCRA) program through the tra d activities related to facilities that generate, transport, store, or dispose of hazardous waste. RCRAInfo allow taff to track the notification, permit, compliance, and action activities required under RCRA.	source acking of /s RCRA	1000103236
	<u>Click this h</u> additional	yperlink while viewing on your computer to access FINDS: detail in the EDR Site Report.		
	ECHO: Envid: Registry ID: DFR URL:	1000103236 110002776988 http://echo.epa.gov/detailed-facility-report	?fid=110002776988	
49 NNW 1/8-1/4 0.201 mi. 1059 ft.	RAYNE WATER 1018 E CYPRESS ST COVINA, CA 91724		RCRA-SQG FINDS ECHO	1004676987 CAR000091892
Relative: Higher Actual: 642 ft.	RCRA-SQG: Date form received by agence Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	y: 02/13/2001 RAYNE WATER 1018 E CYPRESS ST COVINA, CA 91724-2016 CAR000091892 LALO LARA 1018 E CYPRESS ST COVINA, CA 91724-2016 US 626-966-7521 Not reported 09 Small Small Quantity Generator Handler: generates more than 100 and less than 100 waste during any calendar month and accumulates hazardous waste at any time; or generates 100 kg of waste during any calendar month, and accumulates hazardous waste at any time)00 kg of hazardous less than 6000 kg of or less of hazardous s more than 1000 kg of	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	JONATHAN POMEROY 1721 AUTUMNGLOW DIAMOND BAR, CA 91765 Not reported 909-861-0664 Not reported Not reported Not reported Private Owner Not reported Not reported Not reported Not reported		

Database(s)

EDR ID Number **EPA ID Number**

RAYNE WATER (Continued)

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 Waste code: D002 Waste name: CORROSIVE WASTE Violation Status:

No violations found

FINDS:

110012198488 Registry ID:

Environmental Interest/Information System

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO: Envid: Registry ID: DFR URL:

1004676987 110012198488 http://echo.epa.gov/detailed-facility-report?fid=110012198488

Database(s)

EDR ID Number EPA ID Number

M50 West 1/8-1/4 0.208 mi. 1098 ft.	INDUSTRIAL LEED CONTR 739 E SAN BERNARDINO R COVINA, CA 91723 Site 1 of 3 in cluster M	OL RD			SWEEPS UST HIST UST CA FID UST HAZNET LOS ANGELES CO. HMS	S101618854 N/A
Relative: Lower Actual: 606 ft.	SWEEPS UST: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 12263 9 Not reported 06-30-89 Not reported 19-000-0122 A Not reported 06-30-89 UNKNOWN W Not reported 1	I I 263-000001 I			
	HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Leak Detection:	Thickness:	00026F80 http://geotracker. Not reported Not reported	waterboards.ca.gov/u	istpdfs/pdf/00026F80.pdf	
	Click here for Geo Trac CA FID UST: Facility ID: 19 Regulated By: U Regulated ID: 00 Cortese Code: N SIC Code: N Facility Phone: 87 Mail To: N Mailing Address: 73	ker PDF: 9007243 TNKA 0007615 ot reported ot reported 180000000 ot reported 39 E SAN BEF	RNARDINO RD			

Database(s)

EDR ID Number EPA ID Number

INDUSTRIAL LEED CONTROL (Continued)

Mailing Address 2: Mailing City,St,Zip: Contact: Contact Phone: DUNs Number: NPDES Number: EPA ID: Comments: Status:	Not reported COVINA Not reported Not reported Not reported Not reported Not reported Active
HAZNE1: envid: Year: GEPAID: Contact: Telephone: Mailing Name: Mailing Address: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Cat Decode:	S101618854 2016 CAL000351885 BETH HORN 6269158500 Not reported 739 E SAN BERNARDINO RD COVINA, CA 917230000 Los Angeles CAD008302903 Los Angeles Other organic solids Storage, Bulking, And/Or Transfer Off SiteNo Treatment/Reovery (H010-H129) Or (H131-H135) 0.1 Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off SiteNo Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid: Year: GEPAID: Contact: Telephone: Mailing Name: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Cat Decode: Method Decode: Facility County:	S101618854 2016 CAL000351885 BETH HORN 6269158500 Not reported 739 E SAN BERNARDINO RD COVINA, CA 917230000 Los Angeles CAD008302903 Los Angeles Unspecified oil-containing waste Fuel Blending Prior To Energy Recovery At Another Site 0.375 Unspecified oil-containing waste Fuel Blending Prior To Energy Recovery At Another Site Los Angeles

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	Т
Facility Id:	012152-012263
Facility Type:	0
Facility Status:	Removed
Area:	6B

S101618854

Map ID Direction	Ĺ		MAP FINDINGS		
Elevation	Site			Database(s)	EDR ID Number EPA ID Number
	INDUSTRIAL LEED CONTRO	L (Contin	ued)		S101618854
	Permit Number: 00003 Permit Status: Remov	887T /ed			
M51 West 1/8-1/4 0.208 mi.	INDUSTRIAL WEED CONTRO 739 E SAN BERNARDINO RE COVINA, CA 91723)L)		HIST UST	U001569250 N/A
1098 ft.	Site 2 of 3 in cluster M				
Relative: Lower Actual: 606 ft.	HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction T Leak Detection:	hickness:	Not reported Not reported STATE 0000007615 Other WEED CONTROL Not reported 8183316322 INDUSTRIAL WEED CONTROL 739 E. SAN BERNARDINO RD. COVINA, CA 91723 0001 001 1 1972 00001000 PRODUCT REGULAR Not reported None		
52 NW 1/8-1/4 0.217 mi. 1146 ft.	VE DUB PLACE THE 19530 CYPRESS ST COVINA, CA 91724			RCRA-SQG FINDS ECHO HAZNET	1000192910 CAD982347668
Relative: Lower	RCRA-SQG: Date form received by agency:09/01/1996				
Actual: 635 ft.	Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephone: Contact email: EPA Region: Land type: Classification: Description:	1953 COV CAD CYP COV Not r Not r Not r Not r Not r O9 Facila	30 CYPRESS ST (INA, CA 91724 982347668 RESS ST (INA, CA 91724 reported reported reported reported ity is not located on Indian land. Additional info II Small Quantity Generator flor: generator	ormation is not known.	

EDR ID Number Database(s) EPA ID Number

VE DUB PLACE THE (Continued)

1000192910

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:	JOHN PEYER
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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 wa	aste: No
Mixed waste (haz. and radioa	ctive): No
Recycler of hazardous waste:	No
Transporter of hazardous was	ste: No
Treater, storer or disposer of I	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 burn	er: No
Used oil Specification markete	er: No
Used oil transfer facility:	No
Used oil transporter:	No
Violation Status:	No violations found
Evaluation Action Summary	
Evaluation date:	07/15/1994
Evaluation date.	
Area of violation:	Not reported
Date achieved compliance:	Not reported
_ ate actioned compliando.	

Database(s)

EDR ID Number EPA ID Number

Evaluation lead agen	cy: State Contractor/Grantee	
FINDS:		
Registry ID:	110002798072	
Environmental Intere	st/Information System	
RC Cc	CRAInfo is a national information system that supports the Resource onservation and Recovery Act (RCRA) program through the tracking of	
ev	ents and activities related to facilities that generate, transport,	
an	d treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA	
pro	rrective action activities required under RCRA	
Cli	ick this hyperlink while viewing on your computer to access	
ad	ditional FINDS: detail in the EDR Site Report.	
ECHO:	1000100010	
Envid: Registry ID:	1000192910	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002798072	
HAZNET:	1000100010	
envid:	1000192910	
GEPAID	CAD982347668	
Contact:	Not reported	
Telephone:	000000000	
Mailing Name:	Not reported	
Mailing Address:	19530 CYPRESS ST	
Mailing City,St,Zip:	COVINA, CA 917240000	
Gen County:	Not reported	
TSD EPA ID. TSD County:	Not reported	
Waste Category:	Waste oil and mixed oil	
Disposal Method:	Recycler	
Tons:	0.12509999999	
Cat Decode:	Not reported	
Method Decode:	Not reported	
Facility County:	Los Angeles	
envid:	1000192910	
Year:	1993	
GEPAID:	CAD982347668	
Contact:		
Mailing Name	Not reported	
Mailing Address:	19530 CYPRESS ST	
Mailing City,St,Zip:	COVINA, CA 917240000	
Gen County:	Not reported	
TSD EPA ID:	CAT000613893	
TSD County:	Not reported	
Waste Category:	Organic liquids (nonsolvents) with halogens	
Disposal Method:	I ranster Station	
LODO		

	MAP FINDINGS		
Site		Database(s)	EDR ID N EPA ID N
VE DUB PLACE THE (Co	ontinued)		1000192
Method Decode: Facility County:	Not reported Los Angeles		
MIKE & SONS		UST	U003940
4560 N GRAND AVE COVINA, CA 91724			N/A
Site 1 of 4 in cluster N			
UST:			
Facility ID:	LACoFA0012900		
Latitude:	34.09546		
Longitude:	-117.87219		
Facility ID:	5037		
Permitting Agency:	LOS ANGELES COUNTY		
Latitude:	34.096805		
Longitude.	-117.07004		
MIKE & SONS ARCO		LUST	S104406
4560 GRAND AVE N COVINA, CA 91724		HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N		HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST:		HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region:	STATE	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id:	STATE T0603704662	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Logitudo:	STATE T0603704662 34.095458 117 872101	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type:	STATE T0603704662 34.095458 -117.872191	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status: Status Date: Lead Agency:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: EVEN Sease Number:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: File Location: Potential Media Affec Detential Contaminas	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported St: Soil	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: File Location: Potential Media Affect Potential Contaminar Site History:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported Soil tts of Concern: Gasoline Not reported	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect Potential Contaminar Site History: Click here to access to	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported Soil nts of Concern: Gasoline Not reported	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect Potential Contaminar Site History: Click here to access to Contact:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported St: Soil nts of Concern: Gasoline Not reported	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect Potential Contaminar Site History: Click here to access for Contact: Global Id:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported St: Soil nts of Concern: Gasoline Not reported the California GeoTracker records for this facility: T0603704662	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect Potential Contaminar Site History: Click here to access for Contact: Global Id: Contact Type:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported St: Soil Ints of Concern: Gasoline Not reported the California GeoTracker records for this facility: T0603704662 Local Agency Caseworker	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect Potential Contaminar Site History: Click here to access the Contact: Global Id: Contact Type: Contact Name: Ornact Name:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported the California GeoTracker records for this facility: T0603704662 Local Agency Caseworker JOHN AWUJO	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affec Potential Contaminan Site History: Click here to access f Contact: Global Id: Contact Type: Contact Name: Organization Name: Addrees:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported St: Soil hts of Concern: Gasoline Not reported the California GeoTracker records for this facility: T0603704662 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S EREMONIT AVE	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affec Potential Contaminan Site History: Click here to access f Contact: Global Id: Contact Type: Contact Name: Organization Name: Address: City:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported St: Soil hts of Concern: Gasoline Not reported the California GeoTracker records for this facility: T0603704662 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE AL HAMBRA	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affec Potential Contaminar Site History: Click here to access f Contact: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email·	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported the California GeoTracker records for this facility: T0603704662 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw Jacounty roy	HIST CORTESE	N/A
4560 GRAND AVE N COVINA, CA 91724 Site 2 of 4 in cluster N LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affec Potential Contaminar Site History: Click here to access f Contact: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	STATE T0603704662 34.095458 -117.872191 LUST Cleanup Site Completed - Case Closed 01/02/1995 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05037 Not reported Not reported Not reported the California GeoTracker records for this facility: T0603704662 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw.lacounty.gov 6264583507	HIST CORTESE	N/A

Database(s)

EDR ID Number EPA ID Number

MIKE & SONS ARCO (Continued)

INE & SONS ANCO (Continue	iu)
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	vrong@waterboards.ca.gov
Phone Number:	Not reported
Status History:	
Global Id:	T0603704662
Status:	Completed - Case Closed
Status Date:	01/02/1995
Clabal Idi	T0000704000
	10603704662
Status:	Open - Case Begin Date
Status Date:	10/04/1994
Regulatory Activities:	
Global Id:	T0603704662
Action Type:	Other
Date:	10/14/1994
Action:	Leak Reported
	T0000704000
	10603704662
Action Type:	Other
Date:	10/14/1994
Action:	Leak Discovery
Global Id:	T0603704662
Action Type:	Othor
Action Type.	
Action:	Leak Stopped
Action.	Leak Stopped
Pogion:	1
Regional Board:	4
County:	Los Angeles
Escility Id:	D 05027
Status:	Case Closed
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abstement Method Lised at	the Site: Not reported
Global ID [.]	T0603704662
W Global ID:	Not reported
Staff	LINK
Local Agency:	19000
Cross Street	Not reported
Enforcement Type	Not reported
Date Leak Discovered	10/14/1994
Date Leak First Reported	10/14/1004
Date Leak Record Entered	3/25/1996
Date Confirmation Began	Not reported
Date Leak Stopped	10/4/1994
- alo Louis Oloppou.	

S104406634

N55

NW

1/8-1/4

Lower

630 ft.

Facility Type:

Other Type:

MIKE & SONS ARCO (Continued)

Date the Case was Closed:

Date Case Last Changed on Database:

MAP FINDINGS

1/2/1995 1/2/1995 Database(s)

EDR ID Number **EPA ID Number**

S104406634

How Leak Discovered: Tank Closure Not reported How Leak Stopped: Cause of Leak: UNK Leak Source: UNK Operator: Not reported Not reported Water System: Well Name: Not reported Approx. Dist To Production Well (ft): 4706.9386090364745488244869352 Source of Cleanup Funding: UNK Preliminary Site Assessment Workplan Submitted: Not reported Not reported Preliminary Site Assessment Began: Pollution Characterization Began: Not reported **Remediation Plan Submitted:** Not reported Remedial Action Underway: Not reported Not reported Post Remedial Action Monitoring Began: Enforcement Action Date: Not reported Historical Max MTBE Date: Not reported Hist Max MTBE Conc in Groundwater: Not reported Hist Max MTBE Conc in Soil: Not reported Significant Interim Remedial Action Taken: Not reported GW Qualifier: Not reported Soil Qualifier: Not reported Organization: Not reported **Owner Contact:** Not reported Responsible Party: MIKAEL KEMANJIOGHLOU **RP Address:** 4932 LA CRESCENTA AVE, LA CRESCENTA 91214 Program: LUST Lat/Long: 34.095403 / -1 Local Agency Staff: Not reported Beneficial Use: Not reported Priority: Not reported Cleanup Fund Id: Not reported Not reported Suspended: Assigned Name: Not reported REFER TO LA CO DPW COMPLETE RECORD FOR STATUS (9) Summary: HIST CORTESE: CORTESE Region: Facility County Code: 19 Reg By: LTNKA Reg Id: R-05037 HIST UST U001569195 **CHAN CHEN SHELL SERVICE 4560 N GRAND AVENUE** N/A **COVINA, CA 91722** 0.225 mi. 1187 ft. Site 3 of 4 in cluster N HIST UST: **Relative:** File Number: 000285A4 URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000285A4.pdf Actual: Region: STATE Facility ID: 00000041538

Gas Station Not reported

Database(s)

EDR ID Number EPA ID Number

CHAN CHEN SHELL SERVICE (Continued)

Contact Name:	TONY CHEN
Telephone:	8183325969
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Click here for Geo Tracker PDF:

M56 WHITLOCK ELECTRIC INC

M56 West 1/8-1/4 0.233 mi.	WHITLOCK ELECTRIC INC 723 EAST SAN BERNARDINO ROAD COVINA, CA 91723	HIST UST	U001569258 N/A
1228 ft.	Site 3 of 3 in cluster M		
Relative:	HIST UST:		
Lower	File Number:	00028814	
	URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028814.pdf	
Actual:	Region:	STATE	
606 ft.	Facility ID:	0000065808	
	Facility Type:	Other	
	Other Type:	ELECTRICAL CONTRACTI	

U001569195

TC5091224.2s Page 97

Database(s)

EDR ID Number EPA ID Number

WHITLOCK ELECTRIC INC (Continued)

Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks:	Not reported 8183322508 WHITLOCK ELECTRIC INC. 723 EAST SAN BERNARDINO ROAD COVINA, CA 91723 0001
Tank Num:	001
Container Num:	1
Year Installed:	1963
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, None

Click here for Geo Tracker PDF:

57 West 1/8-1/4 0.249 mi. 1317 ft.	J&J DOOR CLOSER SERVICE IN 716 E EDNA PLACE COVINA, CA 91723	c	RCRA-SQG FINDS ECHO	1000110997 CAD981626906
Relative: Lower Actual: 609 ft.	RCRA-SQG: Date form received by agency Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	7:07/18/1991 J&J DOOR CLOSER SERVICE INC 716 E EDNA PLACE COVINA, CA 91723 CAD981626906 GRIMES JACK 716 E EDNA PLACE COVINA, CA 91723 US 818-331-5388 Not reported 09 Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg o waste during any calendar month and accumulates less tha hazardous waste at any time; or generates 100 kg or less of waste during any calendar month, and accumulates more th hazardous waste at any time; or generates 100 kg or less of waste during any calendar month, and accumulates more th hazardous waste at any time	f hazardous in 6000 kg of if hazardous han 1000 kg of	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator telephone: Owner/operator telephone: Owner/operator telephone: Owner/operator telephone: Owner/operator telephone: Owner/operator telephone: Owner/operator telephone: Owner/Operator telephone: Owner/Op start date: Owner/Op end date:	FRANK GERACI NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported Not reported Private Owner Not reported Not reported Not reported		

Database(s) EPA II

EDR ID Number EPA ID Number

J&J DOOR CLOSER SERVICE INC (Continued)

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
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
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

FINDS:

Registry ID:

110002729708

Environmental Interest/Information System

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.

STATE MASTER

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO: Envid:

1000110997

1000110997

	MAP FINDINGS	
Site		EDR I Database(s) EPA I
J&J DOOR CLOSER SERVIO	CE INC (Continued)	10001
Registry ID: DFR URL:	110002729708 http://echo.epa.gov/detailed	-facility-report?fid=110002729708
COVINA ACURA 681 SAN BERNARDINO RD COVINA, CA 91723	E	LUST U0022 SWEEPS UST N/A HIST CORTESE
Site 1 of 3 in cluster O		
LUST:		
Region:	STATE	
Global Id:	T0603704017	
Latitude:	34.091442	
Longitude:	-117.877363	
Case Type:	LUST Cleanup Site	
Status:	Completed - Case Closed	
Status Date:	08/22/1994	
Lead Agency:	LOS ANGELES COUNTY	
Case Worker:	JOA	
Local Agency:	LOS ANGELES COUNTY	
RB Case Number:	I-12948	
LOC Case Number:	Not reported	
File Location:	Not reported	
Potential Media Affect:	Soil	
Potential Contaminants	of Concern: Gasoline	
Site History:	Not reported	
Click here to access the	California GeoTracker records for this facility	y:
Contact:		
Global Id:	T0603704017	
Contact Type:	Local Agency Caseworker	
Contact Name:	JOHN AWUJO	
Organization Name:	LOS ANGELES COUNTY	
Address:	900 S FREMONT AVE	
City:	ALHAMBRA	
Email: Phone Number:	jawujo@dpw.lacounty.gov 6264583507	
Global Id:	T0603704017	
Contact Type:	Regional Board Caseworker	
Contact Name:	YUE RONG	
Organization Name:	LOS ANGELES RWQCB (REG	ION 4)
Address:	320 W. 4TH ST., SUITE 200	
City:	Los Angeles	
Email:	yrong@waterboards.ca.gov	
Phone Number:	Not reported	
Status History:		
Global Id:	T0603704017	
Status: Status Date:	Completed - Case Closed 08/22/1994	
Global Id:	T0609704047	
Global Id: Status:	T0603704017 Open - Case Begin Date	
Global Id: Status: Status Date:	T0603704017 Open - Case Begin Date 12/01/1986	

Database(s)

EDR ID Number EPA ID Number

COVINA ACURA (Continued)

Pollution Characterization Began:

JVINA ACORA (Continued)		
Status: Status Date:	Open - Site A 12/01/1986	ssessment
Regulatory Activities: Global Id: Action Type: Date: Action:	T060370401 Other 07/09/1990 Leak Reporte	7 ed
Global Id: Action Type: Date: Action:	T060370401 Other 08/05/1988 Leak Discove	7 Pry
Global Id: Action Type: Date: Action:	T060370401 Other 08/05/1988 Leak Stopped	7
LUST REG 4: Region: Regional Board: County: Facility Id: Status: Substance: Substance Quantity: Local Case No: Case Type: Abatement Method Used at Global ID: W Global ID: Staff: Local Agency: Cross Street: Enforcement Type:	4 04 Los Angeles I-12948 Case Closed Gasoline Not reported Not reported Soil the Site: T0603704017 Not reported UNK 19000 COMMERCIAL AVE. 222	Not reported
Date Leak Discovered: Date Leak First Reported: Date Leak First Reported: Date Leak Record Entered: Date Confirmation Began: Date Leak Stopped: Date Case Last Changed or Date the Case was Closed: How Leak Discovered: How Leak Discovered: How Leak Stopped: Cause of Leak: Leak Source: Operator: Water System: Well Name: Approx. Dist To Production V	8/5/1988 11/28/1990 Not reported 8/5/1988 Database: Tank Closure Not reported UNK UNK BIANCO, BERNIE Not reported Not reported Well (ft):	7/9/1990 7/10/1997 8/22/1994 3662.1677816730940854674569717
Source of Cleanup Funding: Preliminary Site Assessmen Preliminary Site Assessmen	t Workplan Submitted: t Began:	UNK Not reported 12/1/1986

Not reported

U002285773

Database(s)

EDR ID Number EPA ID Number

U002285773

COVINA ACURA (Continued)

Remediation Plan Subr Remedial Action Under Post Remedial Action M Enforcement Action Dat Historical Max MTBE Dat Hist Max MTBE Conc in	Not reported Not reported 1/1/1965 Not reported Not reported	
Cignificant Interim Demo	dial Action Takan	Not reported
	Not reported	Not reported
Gw Qualifier:	Not reported	
Organization:	Not reported	
Organization.	Not reported	
Bosponsible Party:		
Responsible Faity.		
RF Address.		., COVINA CA 91723
Piogram.	24 0012041 / 1	
Lacel Agency Staff:	34.0912941 / -1	
Bonoficial Liso:	Not reported	
Briority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name	Not reported	
Summary:	Not reported	
Guinnary.	Notropolica	
SWEEPS UST:		
Status:	Active	
Comp Number:	12948	
Number:	9	
Board Of Equalization:	Not reported	
Referral Date:	06-30-89	
Action Date:	Not reported	
Created Date:	06-30-89	
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	
HIST CORTESE:	CODTECE	
Region:	CORTESE	
Facility County Code:	19	
Reg By:		
Reg Ia:	1-12948	

Database(s)

EDR ID Number EPA ID Number

N59 NW 1/4-1/2 0.277 mi. 1/60 ft	MOBIL #17-EVD 19505 CYPRESS ST E COVINA, CA 91724 Site 4 of 4 in cluster N		LUST HIST CORTESE	S104406635 N/A
1400 11.				
Relative: Lower	LUST: Region: Global Id:	STATE T0603704666		
Actual: 634 ft.	Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect:	34.096051 -117.872193 LUST Cleanup Site Completed - Case Closed 12/18/2007 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-05088 Not reported Not reported Soil		
	Potential Contaminants of Concern: Site History:	Waste Oil / Motor / Hydraulic / Lubricating Not reported		
	Contact: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T0603704666 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw.lacounty.gov 6264583507 T0603704666 Regional Board Caseworker YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported		
	Status History: Global Id: Status: Status Date: Global Id: Status:	T0603704666 Completed - Case Closed 12/18/2007 T0603704666 Open - Case Begin Date		
	Status Date: Global Id: Status: Status Date: Global Id:	06/04/1986 T0603704666 Open - Site Assessment 05/31/1988 T0603704666		

Database(s)

EDR ID Number **EPA ID Number**

MOBIL #17-EVD (Continued)

Water System:

Well Name:

Status: **Open - Site Assessment** 10/31/2006 Status Date: **Regulatory Activities:** Global Id: T0603704666 Action Type: Other 06/09/1986 Date: Leak Reported Action: Global Id: T0603704666 Action Type: ENFORCEMENT Date: 12/18/2007 Action: Closure/No Further Action Letter Global Id: T0603704666 Other Action Type: 06/04/1986 Date: Action: Leak Discovery T0603704666 Global Id: Action Type: Other 06/04/1986 Date: Action: Leak Stopped LUST REG 4: Region: 4 04 **Regional Board:** County: Los Angeles Facility Id: R-05088 Status: **Pollution Characterization** Substance: Waste Oil Substance Quantity: Not reported Not reported Local Case No: Case Type: Soil Abatement Method Used at the Site: Not reported Global ID: T0603704666 W Global ID: Not reported Staff: UNK 19000 Local Agency: Cross Street: GRAND Enforcement Type: Not reported 6/4/1986 Date Leak Discovered: Date Leak First Reported: 6/9/1986 Date Leak Record Entered: 8/11/1987 Date Confirmation Began: Not reported Date Leak Stopped: 6/4/1986 5/31/1988 Date Case Last Changed on Database: Date the Case was Closed: Not reported How Leak Discovered: Tank Test How Leak Stopped: Not reported UNK Cause of Leak: Leak Source: Tank Operator: KHALED, M.

Not reported

Not reported

S104406635

Database(s)

EDR ID Number EPA ID Number

MOBIL #17-EVD (Continued)

Approx. Dist To Production ' Source of Cleanup Funding: Preliminary Site Assessmen Preliminary Site Assessmen Pollution Characterization B Remediation Plan Submittee Remedial Action Underway: Post Remedial Action Monit Enforcement Action Date: Historical Max MTBE Date: Historical Max MTBE Date: Hist Max MTBE Conc in Gro Hist Max MTBE Conc in Gro Hist Max MTBE Conc in Gro Significant Interim Remedial GW Qualifier: Soil Qualifier: Organization: Owner Contact: Responsible Party: RP Address: Program: Lat/Long: Local Agency Staff: Beneficial Use: Priority: Cleanup Fund Id: Suspended: Assigned Name: Summary:	Well (ft): t Workplan Submitted: t Began: egan: d: oring Began: bundwater: l: I Action Taken: Not reported Not reported Not reported MOBIL OIL CORP PO BOX 2122, LOS A LUST 34.095806 / -1 Not reported Not reported REG GAS LEAK REP	4837.8521487781489113835627858 Tank Not reported Not reported S/31/1988 Not reported Not reported ORTED 07/07/86.
HIST CORTESE:		
Region:	CORTESE	

Region:	CORTES
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-05088

060 JONES & ROY COMPANY West 620 NORTH COMMERCIAL AVENUE

COVINA, CA 91723	
Site 2 of 3 in cluster O	
ENVIROSTOR:	
Facility ID:	19340730
Status:	Refer: Other Agency
Status Date:	04/24/1984
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	48
Senate:	22
	Site 2 of 3 in cluster O ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate:

ENVIROSTOR S101480821 N/A

S104406635

Database(s)

EDR ID Number EPA ID Number

S101480821

JONES & ROY COMPANY (Continued)

	Special Program:	* RC	CRA 3012 - Past Haz Waste Disp Inven Site
	Restricted Use:	NO	
	Site Mgmt Req:	NON	VE SPECIFIED
	Funding:	Not	reported
	Latitude:	34.0	9196
	Longitude:	-117	.8772
	APN:	842	9021005
	Past Use:	NON	JE SPECIFIED
	Potential COC:	NON	VE SPECIFIED
	Confirmed COC:	NON	VE SPECIFIED
	Potential Description:	NON	VE SPECIFIED
	Alias Name:		VIP MACHINE INC
	Alias Type:		Alternate Name
	Alias Name:		8429021005
	Alias Type:		APN
	Alias Name:		CAD063799746
	Alias Type:		EPA Identification Number
	Alias Name:		110002653664
	Alias Type:		EPA (FRS #)
	Alias Name:		19340730
	Alias Type:		Envirostor ID Number
С	ompleted Info:		
	Completed Area Name:		PROJECT WIDE
	Completed Sub Area Nar	me:	Not reported
	Completed Document Ty	pe:	Site Screening
	Completed Date:		10/25/1994
	Comments:		Database verification program confirms NFA for DTSC.
	Completed Area Name:		
	Completed Area Name.	~ ~·	PROJECT WIDE
	Completed Sub Area Nai	ne.	Reliminary Accomment Report
	Completed Document Ty	pe.	
	Comporte:		
	Comments.		SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012
	Completed Area Name:		PROJECT WIDE
	Completed Sub Area Nar	me:	Not reported
	Completed Document Ty	pe:	* Discovery
	Completed Date:		09/26/1983
	Comments:		FACILITY IDENTIFIED ID FROM ERRIS
	Futuro Aroa Nama		Net 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	۵.	Not reported
	Schedule Document Type	۵. ۵.	Not reported
	Schedule Due Date	0.	Not reported
	Schedule Revised Date:		Not reported
	Duio Duio.		·····

Map ID		L	MAP FINDINGS
Distance			
Elevation	Site		

ſ

EDR ID Number Database(s) EPA ID Number

O61 West 1/4-1/2 0 303 mi	JONES & ROY CO 620 COMMERCIAL AVE COVINA, CA 91723	SEMS-ARCHIVE RCRA NonGen / NLR FINDS ECHO	1000220136 CAD063799746					
1598 ft.	Site 3 of 3 in cluster O	Lono						
Relative: Lower	SEMS-ARCHIVE: Site ID: EPA ID:	901500 CAD063799746						
Actual:	EFA ID. Federal Facility:	N						
602 ft.	NPL:	Not on the NPL						
	Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information						
	Following information was Site ID:	s gathered from the prior CERCLIS update completed in 10/2013: 0901500						
	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 Contac	t Details:						
	Contact Sequence ID:	1328/535.00000						
	Person ID:	13003854.00000						
	Contact Sequence ID:	13293130.00000						
	Person ID:	13003858.00000						
	Contact Sequence ID:	13298988.00000						
	Person ID:	13004003.00000						
	CEDCUS NEDAD Site Alice Neme/o):							
	Alias Name	INTL FASTNER RESH CORP (OWNER)						
	Alias Address:	Not reported						
		CA						
	CERCLIS-NFRAP Assessmen	t History:						
	Action:							
	Date Statled.	/ /						
	Priority Level:	Not reported						
	Action:	ARCHIVE SITE						
	Date Started:	//						
	Date Completed:	10/01/86						
	Priority Level:	Not reported						
	Action:	PRELIMINARY ASSESSMENT						
	Date Started:	10/01/84						
	Date Completed:	10/01/86						
	Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information						
	RCRA NonGen / NI R:							
	Date form received by agen	cy:06/25/1980						
	Facility name:	JONES & ROY CO						
	Facility address:	620 COMMERCIAL AVE						
		COVINA, CA 91723						
	EPA ID:	CAD063799746						
	Mailing address:	COMMERCIAL AVE						

Database(s)

EDR ID Number EPA ID Number

JONES & ROY CO (Continued) 1000220136 **COVINA, CA 91723** ENVIRONMENTAL MANAGER Contact: Contact address: 620 COMMERCIAL AVE COVINA, CA 91723 Contact country: US Contact telephone: 213-331-4894 Contact email: Not reported EPA Region: 09 Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: NOT REQUIRED Owner/operator name: Owner/operator address: NOT REQUIRED NOT REQUIRED, ME 99999 Owner/operator country: Not reported Owner/operator telephone: 415-555-1212 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner Owner/Operator Type: 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 415-555-1212 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Operator Owner/Operator Type: 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

Database(s)

EDR ID Number EPA ID Number

	JONES & ROY CO (Cor	ntinued)		1000220136
	FINDS:			
	Registry ID:	1100	02653664	
	Environmental Inter F C e a p c	est/Information S CCRAInfo is a nat Conservation and vents and activit nd treat, store, o rogram staff to tr orrective action a	System tional information system that supports the Resource Recovery Act (RCRA) program through the tracking of ies related to facilities that generate, transport, r dispose of hazardous waste. RCRAInfo allows RCRA rack the notification, permit, compliance, and activities required under RCRA.	
	<u>C</u> a	Click this hyperlin dditional FINDS:	k while viewing on your computer to access detail in the EDR Site Report.	
	ECHO: Envid: Registry ID: DFR URL:		1000220136 110002653664 http://echo.epa.gov/detailed-facility-report?fid=110002653664	
P62 West 1/4-1/2 0.363 mi. 1914 ft.	AMAN BROS INC. 614 EDNA COVINA, CA 91723 Site 1 of 3 in cluster P		HIST UST HIST CORTESE	U001569232 N/A
Relative: Lower Actual: 602 ft.	HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity:		000262D9 http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000262D9.pdf STATE 00000017505 Other CONSTRUCTION YARD RUBEN AMAN 8189668471 AMAN BROS INC 614 E EDNA PL COVINA, CA 91723 0006 001 1 1974 00007500	
	Tank Used for: Type of Fuel: Container Construc Leak Detection: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construc	tion Thickness: tion Thickness:	PRODUCT DIESEL Not reported Visual, Stock Inventor 002 2 1974 00007500 PRODUCT Not reported Not reported	

Database(s)

EDR ID Number EPA ID Number

AMAN BROS INC. (Continued)

Leak Detection:	Visual, Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1974
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	004
Container Num:	3
Year Installed:	1974
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	005
Container Num:	4
Year Installed:	1979
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	006
Container Num:	5
Year Installed:	1979
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

HIST CORTESE:	
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-09717

STATE T0603703478 34.0930018 -117.8788241

P63 West 1/4-1/2 0.363 mi. 1914 ft.	AMAN BROS INC. 614 EDNA PL E COVINA, CA 91723 Site 2 of 3 in cluster P
Relative: Lower Actual: 602 ft.	LUST: Region: Global Id: Latitude: Longitude:

LUST S105033748 N/A

TC5091224.2s Page 110

U001569232

Database(s)

EDR ID Number **EPA ID Number**

S105033748

AMAN BROS INC. (Continued)

Case Type:

Status Date:

Site History:

Status:

LUST Cleanup Site Completed - Case Closed 07/29/1996 Lead Agency: LOS ANGELES RWQCB (REGION 4) Case Worker: YR LOS ANGELES COUNTY Local Agency: RB Case Number: I-09717 LOC Case Number: Not reported File Location: Not reported Potential Media Affect: Soil Potential Contaminants of Concern: Gasoline Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:

Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:

Status History: Global Id: Status: Status Date:

> Global Id: Status: Status Date:

Regulatory Activities: Global Id: Action Type: Date: Action:

> Global Id: Action Type: Date: Action:

> Global Id: Action Type: Date:

T0603703478 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw.lacounty.gov 6264583507

T0603703478 **Regional Board Caseworker** YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported

T0603703478 Completed - Case Closed 07/29/1996

T0603703478 Open - Case Begin Date 10/03/1990

T0603703478 Other 11/05/1990 Leak Reported

T0603703478 Other 10/03/1990 Leak Discovery

T0603703478 Other 10/03/1990

Database(s)

EDR ID Number EPA ID Number

S105033748

AMAN BROS INC. (Continued)

Action:	Leak Stopped	t
LUST REG 4:		
Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09717	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at	the Site:	Not reported
Global ID:	T0603703478	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	BARRANCA AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/3/1990	
Date Leak First Reported:		11/5/1990
Date Leak Record Entered:	12/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/3/1990	7/40/4000
Date Case Last Changed or	1 Database:	7/12/1993
Law Look Discovered	Tank Cleaure	7/29/1990
How Leak Discovered.	Not reported	
How Leak Stopped.		
Look Source:		
Operator:	AMAN STEVE	
Water System:	Not reported	
Well Name	Not reported	
Approx Dist To Production	Well (ft):	3951 4373705522146051287142419
Source of Cleanup Funding		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessmer	nt Began:	Not reported
Pollution Characterization B	egan:	Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monit	oring Began:	Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Gro	oundwater:	Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedia	I Action Taken:	Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	AMAN BRUS INC.	
RP AUGIESS:	F.U. DUA 4233, CUV	IINA, UA 91723
	24 0020124 / 4	
Larlung.	Not reported	
Beneficial Use:	Not reported	
Database(s)

EDR ID Number EPA ID Number

	AMAN BROS INC. (Continued)			S105033748
	Priority: Not Cleanup Fund Id: Not Suspended: Not Assigned Name: Not Summary: Not	a reported a reported a reported a reported a reported		
64 SSW 1/4-1/2 0.390 mi. 2058 ft.	CHEVRON #9-9068 106 GRAND AVE S COVINA, CA 91724		LUST HIST CORTESE	S102427419 N/A
Relative:	LUST:	OT ATE		
Lower	Region: Global Id:	SIAIE T0603704871		
Actual:	Latitude:	34.0859765		
587 ft.	Longitude:	-117.8723743		
	Case Type:	LUST Cleanup Site		
	Status:	Completed - Case Closed		
	Status Date:	08/29/1994		
	Lead Agency:	LOS ANGELES COUNTY		
	Local Agency:	LOS ANGELES COUNTY		
	RB Case Number:	R-09874		
	LOC Case Number:	Not reported		
	File Location:	Not reported		
	Potential Media Affect:	Soil		
	Site History	ern: Gasoline Not reported		
	Click here to access the Californ	hia GeoTracker records for this facility:		
	Contact:	T0603704874		
	Giobal Id. Contact Type:	Local Agency Caseworker		
	Contact Name:	JOHN AWUJO		
	Organization Name:	LOS ANGELES COUNTY		
	Address:	900 S FREMONT AVE		
	City:	ALHAMBRA		
	Email:	jawujo@dpw.lacounty.gov		
	Phone Number:	6264583507		
	Global Id:	T0603704871		
	Contact Type:	Regional Board Caseworker		
	Contact Name:	YUE RONG		
	Organization Name:	LOS ANGELES RWQCB (REGION 4)		
	Address:	320 W. 41H ST., SUITE 200		
	Email:	vrong@waterboards.ca.gov		
	Phone Number:	Not reported		
	Status History			
	Global Id:	T0603704871		
	Status:	Completed - Case Closed		
	Status Date:	08/29/1994		
		T0000704074		
	Global Id: Status:	10603/048/1 Open - Case Rogin Data		
	Status.	Open - Case Begin Date		

Database(s)

EDR ID Number EPA ID Number

CHEVRON #9-9068 (Continued)	
Status Date:	04/14/1993	
Global Id:	T060370487	1
Status:	Open - Rem	ediation
Status Date:	04/26/1993	
Regulatory Activities:		
Global Id:	T060370487	'1
Action Type:	ENFORCEN	IENT
Date:	08/29/1994	
Action:	Closure/No I	Further Action Letter
Global Id:	T060370487	1
Action Type ⁻	Other	1
Date:	04/26/1993	
Action:	Leak Report	ed
Global Id:	1060370487	1
Action Type:	Otner	
Action:	04/14/1993	env
Action.	Leak Discov	ery
Global Id:	T060370487	'1
Action Type:	Other	
Date:	04/14/1993	
Action:	Leak Stoppe	d
LUST REG 4: Region: Regional Board: County: Facility Id: Status: Substance: Substance Quantity: Local Case No: Case Type: Abatement Method Used at Global ID: W Global ID: Staff: Local Agency: Cross Street:	4 04 Los Angeles R-09874 Remedial action (clea Gasoline Not reported Not reported Soil the Site: T0603704871 Not reported UNK 19000 BADILLO	anup) Underway Excavate and Dispose
Enforcement Type:	Not reported	
Date Leak First Reported:		4/26/1993
Date Leak Record Entered:	3/18/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	4/14/1993	
Date Case Last Changed or	n Database:	6/17/1993
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Test	
How Leak Stopped:	Not reported	
Cause of Leak:		
Leak Source:	UNK	

S102427419

Database(s)

EDR ID Number EPA ID Number

S102427419

CHEVRON #9-9068 (Continued)

Operator:	MOMPEER, GEORGE	E H.
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production	Well (ft):	1809.6972521286240689484594498
Source of Cleanup Funding	:	UNK
Preliminary Site Assessmer	nt Workplan Submitted:	Not reported
Preliminary Site Assessmer	nt Began:	Not reported
Pollution Characterization B	legan:	Not reported
Remediation Plan Submitte	d:	Not reported
Remedial Action Underway:		4/26/1993
Post Remedial Action Monit	oring Began:	Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Gro	oundwater:	Not reported
Hist Max MTBE Conc in So	il:	Not reported
Significant Interim Remedia	I Action Taken:	Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A.	
RP Address:	SAME AS ABOVE	
Program:	LUST	
Lat/Long:	34.0848744 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #121294-1	14
HIST CORTESE:		
Region:	CORTESE	

Region: Facility County Code:	CORTESE 19
Reg By:	LTNKA
Reg Id:	R-09874

LOC Case Number:

P65 West 1/4-1/2 0.394 mi.	SILVERLINE INDUSTRIES, INC. 576 EDNA PL E COVINA, CA 91723		LUST HIST CORTESE
2079 ft.	Site 3 of 3 in cluster P		
Relative:	LUST:		
Lower	Region:	STATE	
	Global Id:	T0603704352	
Actual:	Latitude:	34.092538	
600 ft.	Longitude:	-117.879175	
	Case Type:	LUST Cleanup Site	
	Status:	Completed - Case Closed	
	Status Date:	03/11/1992	
	Lead Agency:	LOS ANGELES COUNTY	
	Case Worker:	JOA	
	Local Agency:	LOS ANGELES COUNTY	
	RB Case Number:	I-15809	

Not reported

S101296011 N/A

Database(s)

EDR ID Number **EPA ID Number**

SILVERLINE INDUSTRIES, INC. (Continued)

File Location:	Not reported
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: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number: Global Id: T0603704352 Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number: Status History: Global Id: Status: Status Date: Global Id: Status: Status Date: Global Id: Status: Status Date:

Regulatory Activities: Global Id: Action Type: Date: Action:

Global Id: Action Type: Date: Action:

Global Id: Action Type: Date: Action:

T0603704352 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw.lacounty.gov 6264583507

Regional Board Caseworker YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported

T0603704352 Completed - Case Closed 03/11/1992

T0603704352 Open - Case Begin Date 10/03/1990

T0603704352 **Open - Site Assessment** 11/26/1991

T0603704352 Other 11/05/1990 Leak Reported

T0603704352 Other 10/03/1990 Leak Discovery

T0603704352 Other 10/03/1990 Leak Stopped

S101296011

Database(s)

EDR ID Number EPA ID Number

S101296011

SILVERLINE INDUSTRIES, INC. (Continued)	SIL	VERL	INE I	NDUSTR	IES, INC.	(Continued)
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LUST REG 4: Region: 4 Regional Board: 04 County: Los Angeles Facility Id: I-15809 Case Closed Status: Gasoline Substance: Substance Quantity: Not reported Local Case No: Not reported Case Type: Soil Abatement Method Used at the Site: Not reported Global ID: T0603704352 W Global ID: Not reported Staff: UNK Local Agency: 19000 Cross Street: BARRANCA AVE. Enforcement Type: Informal Enforcement Actions, including Notices of Violations and Staff Enforcement Letters Date Leak Discovered: 10/3/1990 Date Leak First Reported: 11/5/1990 Date Leak Record Entered: 12/5/1990 Not reported Date Confirmation Began: Date Leak Stopped: 10/3/1990 Date Case Last Changed on Database: 3/11/1992 Date the Case was Closed: 3/11/1992 How Leak Discovered: Tank Closure How Leak Stopped: Not reported UNK Cause of Leak: Leak Source: UNK Operator: SILVERS, CRAIG Not reported Water System: Well Name: Not reported Approx. Dist To Production Well (ft): 3875.0182987378135187633052163 Source of Cleanup Funding: UNK Preliminary Site Assessment Workplan Submitted: Not reported Preliminary Site Assessment Began: 11/26/1991 Pollution Characterization Began: Not reported Remediation Plan Submitted: Not reported Remedial Action Underway: Not reported Post Remedial Action Monitoring Began: Not reported 1/1/1965 Enforcement Action Date: Historical Max MTBE Date: Not reported Hist Max MTBE Conc in Groundwater: Not reported Hist Max MTBE Conc in Soil: Not reported Significant Interim Remedial Action Taken: Not reported GW Qualifier: Not reported Soil Qualifier: Not reported Organization: Not reported **Owner Contact:** Not reported SILVERLINE INDUSTRIES, INC. Responsible Party: **RP Address:** Not reported LUST Program: Lat/Long: 34.0929161 / -1 Local Agency Staff: Not reported Not reported Beneficial Use: Priority: Not reported Cleanup Fund Id: Not reported Suspended: Not reported

Database(s) E

EDR ID Number EPA ID Number

	SILVERLINE INDUSTRIES, INC. (Continued)			S101296011
	Assigned Name: I Summary: 0	Not reported DLD CASE #120690-39		
	HIST CORTESE: Region: Facility County Code: Reg By: Reg Id:	CORTESE 19 LTNKA I-15809		
66 NW 1/4-1/2 0.416 mi. 2195 ft.	PRC COLLECTION INC 1023 N GRAND AVE COVINA, CA 91724		SWRCY CHMIRS	S107137668 N/A
Relative: Lower	SWRCY: Reg Id:	147008 PC147008 001		
Actual: 637 ft.	Cert Id: Mailing Address: Mailing City: Mailing State: Mailing Zip Code: Website: Email: Phone Number: Grand Father: Rural: Operation Begin Date: Aluminium: Glass: Plastic: Bimetal: Agency: Monday Hours Of Operation: Tuesday Hours Of Operation Wednesday Hours Of Operation Friday Hours Of Operation: Saturday Hours Of Operation: Saturday Hours Of Operation: Saturday Hours Of Operation: Sunday Hours Of Operation: Organization ID: Organization Name:	RC147008.001 160 N Brightview Dr Covina CA 91723 Not reported prccollectioninc@hotmail.com (626) 260-7411 N N 11/01/2011 Y Y Y Y Y Y N/A 9:00 am - 5:00 pm : 9:00 am - 5:00 pm : 9:00 am - 5:00 pm n: 9:00 am - 5:00 pm 9:00 am - 5:00 pm		
	CHMIRS: OES Incident Number: OES notification: OES Date: OES Time: Date Completed: Property Use: Agency Id Number: Agency Incident Number: Time Notified: Time Completed: Surrounding Area: Estimated Temperature: Property Management:	17-1516 02/20/2017 Not reported Not reported		

Database(s)

EDR ID Number EPA ID Number

PRC COLLECTION INC (Continued)

More Than Two Substances Involved?: Resp Agncy Personel # Of Decontaminated: Responding Agency Personel # Of Injuries: Responding Agency Personel # Of Fatalities: Others Number Of Decontaminated: Others Number Of Injuries: Others Number Of Fatalities: Vehicle Make/year: Vehicle License Number: Vehicle State: Vehicle Id Number: CA DOT PUC/ICC Number: Company Name: Reporting Officer Name/ID: Report Date: Facility Telephone: Waterway Involved: Waterway: Spill Site: Cleanup By: Containment: What Happened: Type: Measure: Other: Type: Measure: Other: Date/Time: Year: Agency: Incident Date: Admin Agency: Amount: Contained: Site Type: E Date: Substance: Quantity Released: Unknown: Substance #2: Substance #3: Evacuations: Number of Injuries: Number of Fatalities: #1 Pipeline: #2 Pipeline: #3 Pipeline: #1 Vessel >= 300 Tons: #2 Vessel >= 300 Tons: #3 Vessel >= 300 Tons: Evacs: Injuries: Fatals: Comments: Description:

Not reported No None Road Contractor Not reported Not reported Not reported Not reported Not reported PETROLEUM Gal(s) Not reported 700 2017 Spill Center, Inc. 02/20/2017 LACoFD Health Haz-Mat Not reported Yes None Not reported Fuel, diesel 1 Not reported Not reported Not reported Not reported Not reported Not reported No No No No No No No No No Not reported A two-vehicle collision occurred at 1023 North Grand Avenue. As a result, an estimated 1-gallon

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s)

S107137668

EPA ID Number

PRC COLLECTION INC (Continued)

diesel fuel release from a saddle tank to asphalt took place. A contractor is enroute and will be performing a cleanup. No waterways were impacted and no road closures were imposed. The Covina Police Department and the Covina Fire Department are on-scene.

67 West 1/4-1/2 0.429 mi. 2267 ft.	COVINA CITY FIELD OPER DEPT 534 N BARRANCA AV COVINA, CA 91723		LUST SWEEPS UST HIST UST EMI HAZNET	U001569239 N/A
Relative: Lower Actual: 595 ft.	LUST: Region: Global ld: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect: Potential Contaminants of Concern:	STATE T0603711459 34.091079 -117.881351 LUST Cleanup Site Completed - Case Closed 09/14/2005 LOS ANGELES COUNTY TS LOS ANGELES COUNTY Not reported FN 013460-013824 Not reported Soil Diesel		
	Site History: Click here to access the California G Contact: Global Id:	Not reported GeoTracker records for this facility: T0603711459		
	Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	Local Agency Caseworker TIM SMITH LOS ANGELES COUNTY 900 S. FREMONT AVE. ALHAMBRA tsmith@dpw.lacounty.gov Not reported		
	Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T0603711459 Regional Board Caseworker YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported		
	Status History: Global Id: Status: Status Date:	T0603711459 Completed - Case Closed 09/14/2005		
	Global Id:	T0603711459		

Database(s)

EDR ID Number EPA ID Number

COVINA CITY FIELD OPER DEPT (Continued) Status: Open - Case Begin Date Status Date: 09/18/2003

Status Date: Global Id:

Status:

Status Date:

T0603711459 Open - Site Assessment 04/26/2005

T0603711459

Leak Reported

T0603711459

09/18/2003

Excavation

Other 09/18/2003

T0603711459

Leak Discovery

REMEDIATION

11/14/2003

Other

Regulatory Activities: Global Id: Action Type: Date: Action:

> Global Id: Action Type: Date: Action:

Global Id: Action Type: Date: Action:

SWEEPS UST:

Status:	Not reported
Comp Number:	13824
Number:	Not reported
Board Of Equalization:	44-010249
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013824-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	7
Status:	Not reported
Comp Number:	13824
Number:	Not reported
Board Of Equalization:	44-010249
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013824-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT

Database(s)

EDR ID Number EPA ID Number

COVINA CITY FIELD OPER DEPT (Continued)

Content: Number Of Tanks:	LEADED Not reported
Status:	Not reported
Comp Number:	13824
Number:	Not reported
Board Of Equalization:	44-010249
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id	Not reported
SWRCB Tank Id	19-000-013824-000003
Tank Status:	Not reported
Canacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEI
STG	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported
	not reported
Status:	Not reported
Comp Number:	13824
Number:	Not reported
Board Of Equalization:	44-010249
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Lank Id:	Not reported
SVIRCE Lank Id:	19-000-013824-000004
Tank Status:	
	10000 Not reported
Active Date.	
STC.	
Content:	
Number Of Tanks	Not reported
Number Of Tanks.	Not reported
Status:	Not reported
Comp Number:	13824 Not reported
Number:	
Board Of Equalization.	44-010249
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id	Not reported
SWRCB Tank Id.	19-000-013824-00005
Tank Status:	Not reported
Canacity:	500
Active Date:	Not reported
Tank Use:	OII
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	13824
Number:	Not reported

Database(s)

EDR ID Number EPA ID Number

COVINA CITY FIELD OPER DEPT (Continued)

Board Of Equalization:	44-010249	
Referral Date:	Not reported	d
Action Date:	Not reported	d
Created Date:	Not reported	d
Owner Tank Id:	Not reported	d
SWRCB Tank Id:	19-000-013	824-000006
Tank Status:	Not reported	d
Capacity:	500 '	
Active Date:	Not reported	d
Tank Use:	OIL	
STG:	PRODUCT	
Content:	Not reported	d
Number Of Tanks:	Not reported	d
Status:	Not reported	d
Comp Number:	13824	
Number:	Not reported	d
Board Of Equalization:	44-010249	
Referral Date:	Not reported	d
Action Date:	Not reported	d
Created Date:	Not reported	d
Owner Tank Id:	Not reported	d
SWRCB Tank Id:	19-000-013	824-000007
Tank Status:	Not reported	d
Capacity:	500	
Active Date:	Not reported	d
Tank Use:	OIL	
STG:	WASTE	
Content:	Not reported	d
Number Of Tanks:	Not reported	d
		Net we we where d
		Not reported
URL: Degione		
		STATE
		0000021098
Facility Type:		
Other Type.		
Contact Name:		
Telephone:		
Owner Name:		
Owner Address:		125 E. COLLEGE STREET
Owner City,St,Zip:		COVINA, CA 91723
Total Tanks:		0004
Tank Num		001
Container Num		II-1
Vear Installed		Not reported
Tank Canacity:		00000550
Tank Used for:		WASTE
		WASTE OIL
Container Construction	Thicknoss	Not reported
Leak Detection	11110111033.	None
Tank Num:		002
Container Num:		II-2
Year Installed:		Not reported

Database(s)

EDR ID Number EPA ID Number

COVINA CITY FIELD OPER DEPT (Continued)

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	F 990042
Year Installed:	1981
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	F724774
Year Installed:	1981
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
EMI: Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info Consolidated Emission Reporting R Total Organic Hydrocarbon Gases T Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Y NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Sm	1990 19 SC 29545 SC 9199 SOUTH COAST AQMD System: Not reported ule: Not reported ions/Yr: 1 1 'r: 0 0 0 0 0 0 0 0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info Consolidated Emission Reporting R Total Organic Hydrocarbon Gases T Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: SOX - Oxides of Nitrogen Tons/Yr: Particulate Matter Tons/Yr:	1993 19 SC 29545 SC 9199 SOUTH COAST AQMD System: Not reported ule: Not reported ons/Yr: 1 0 'r: 0 0 0 0

EDR ID Number EPA ID Number

Database(s)

U001569239

COVINA CITY FIELD OPER DEPT (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	1995
County Code:	19
Air Basin	SC
Facility ID:	29545
Air District Name:	SC
SIC Code:	9199
Air District Name	SOUTH COAST AOMD
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	0
NOX - Oxides of Nitrogen Tons/Vr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Vr	0
Part Matter 10 Micrometers and Smllr Tons/Vr	···
Fait. Matter To Micrometers and Smill Tons/Th	.0
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	29545
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AOMD
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 Monovide Emissions Tons/Vr:	0
NOX - Oxides of Nitrogen Tons/Vr:	0
SOX Ovides of Sulphur Tons/Vr:	0
Particulate Matter Tons/Vr:	0
Part Mottor 10 Micromotoro and Smill Tons/V	···
Fait. Matter To Micrometers and Simil Tons/Th	.0
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	29545
Air District Name:	SC
SIC Code:	9199
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/Vr:	0
Part Matter 10 Micrometers and Smllr Tops/Vr	0
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	29545

Database(s)

EDR ID Number EPA ID Number

COVINA CITY FIELD OPER DEPT (Continued)

SC
9199
SOUTH COAST AQMD
Not reported
Not reported
0.151038
0.13
0.08186
0.01614
0.000319
0.00113
:0

HAZNET:

envid:	U001569239
Year:	2016
GEPAID:	CAH111001441
Contact:	LISA SCALES EXT 2489
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City, St, Zip:	WHITTIER, CA 906010000
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Household waste
Disposal Method:	Neutralization Only
Tons:	1.75
Cat Decode:	Household waste
Method Decode:	Neutralization Only
Facility County:	Los Angeles
envid:	U001569239
Year:	2016
GEPAID:	CAH111001441
Contact:	LISA SCALES EXT 2489
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City,St,Zip:	WHITTIER, CA 906010000
Gen County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County:	99
Waste Category:	Household waste
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	10.537
Cat Decode:	Household waste
Method Decode:	Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles
envid:	U001569239
Year:	2016
GEPAID:	CAH111001441
Contact:	LISA SCALES EXT 2489
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD

Database(s)

EDR ID Number EPA ID Number

COVINA CITY FIELD OPER DEPT (Continued)

Mailing City, St, Zip: Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Cat Decode: Method Decode: Facility County:	WHITTIER, CA 906010000 Los Angeles CAD008364432 Los Angeles Household waste Storage, Bulking, And/Or Transfer Off SiteNo Treatment/Reovery (H010-H129) Or (H131-H135) 4.165 Household waste Storage, Bulking, And/Or Transfer Off SiteNo Treatment/Reovery (H010-H129) Or (H131-H135) Los Angeles
envid:	U001569239
Year:	2016
GEPAID:	CAH111001441
Contact:	LISA SCALES EXT 2489
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City,St,Zip:	WHITTIER, CA 906010000
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Household waste
Disposal Method:	H070
Tons:	0.0075
Cat Decode:	Household waste
Method Decode:	Not reported
Facility County:	Los Angeles
envid:	U001569239
Year:	2015
GEPAID:	CAH111001441
Contact:	LISA SCALES EXT 2489
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City,St,Zip:	WHITTIER, CA 906010000
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD COunty:	Los Angeles
Waste Category:	Household waste
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	5.3772
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

U001569239

<u>Click this hyperlink</u> while viewing on your computer to access 5 additional CA_HAZNET: record(s) in the EDR Site Report.

Database(s)

EDR ID Number EPA ID Number

68 North 1/4-1/2 0.437 mi. 2307 ft.	CHARTER OAK HOSPITAL 1161 COVINA BLVD E COVINA, CA 91724		LUST HIST CORTESE	S102057470 N/A
Relative: Higher Actual: 667 ft.	LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect: Potential Contaminants of Concern: Site History:	STATE T0603704910 34.0994511 -117.8724443 LUST Cleanup Site Completed - Case Closed 06/17/1998 LOS ANGELES RWQCB (REGION 4) Not reported LOS ANGELES COUNTY R-10146 Not reported Not reported Soil Diesel Not reported		
	Click here to access the California G Contact: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number: Status History: Global Id: Status:	To603704910 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw.lacounty.gov 6264583507 T0603704910 Completed - Case Closed		
	Status Date: Global Id: Status: Status Date: Global Id: Status: Status Date: Global Id: Status: Status Date: Regulatory Activities: Global Id: Action Type: Date: Action:	06/17/1998 T0603704910 Open - Case Begin Date 08/25/1997 T0603704910 Open - Site Assessment 08/25/1997 T0603704910 Open - Site Assessment 03/17/1998 T0603704910 Other 11/05/1997 Leak Reported		

Database(s) EPA ID N

EDR ID Number EPA ID Number

S102057470

	Global Id:	T0603704	910
	Action Type:	Other	
	Date:	10/20/199	7
	Action:	Leak Disco	overy
	Global Id:	T0603704	910
	Action Type:	Other	
	Date:	08/25/199	7
	Action:	Leak Stop	bed
LU	IST REG 4:		
	Region:	4	
	Regional Board:	04	
	County:	Los Angeles	
	Facility Id:	R-10146	
	Status:	Case Closed	
	Substance:	Diesel	
	Substance Quantity:	Not reported	
	Local Case No:	Not reported	
	Case Type:	Soil	
	Abatement Method Used at	the Site:	ОТ
	Global ID:	T0603704910	
	W Global ID:	Not reported	
	Staff:	HP	
	Local Agency:	19000	
	Cross Street:	GRAND AVE	
	Enforcement Type:	Not reported	
	Date Leak Discovered:	10/20/1997	
	Date Leak First Reported:		11/5/1997
	Date Leak Record Entered:	1/20/1998	
	Date Confirmation Began:	8/25/1997	
	Date Leak Stopped:	8/25/1997	
	Date Case Last Changed or	Database:	5/6/1998
	Date the Case was Closed:		6/17/1998
	How Leak Discovered:	Tank Closure	
	How Leak Stopped:	Not reported	
	Cause of Leak:	Loose Fitting	
	Leak Source:	Piping	
	Operator:	GEORGE WILCOX	
	Water System:	Not reported	
	Well Name:	Not reported	
	Approx. Dist To Production	Well (ft):	5948.5386313501822182665417213
	Source of Cleanup Funding:		Piping
	Preliminary Site Assessmen	t Workplan Submitte	ed: Not reported
	Preliminary Site Assessmen	t Began:	3/17/1998
	Pollution Characterization B	egan:	3/17/1998
	Remediation Plan Submittee	d:	Not reported
	Remedial Action Underway:		Not reported
	Post Remedial Action Monite	oring Began:	Not reported
	Enforcement Action Date:		Not reported
	Historical Max MTBE Date:		1/1/1965
	Hist Max MTBE Conc in Gro	oundwater:	0
	Hist Max MTBE Conc in Soi	:	Not reported
	Significant Interim Remedial	Action Taken:	Not reported
	GW Qualifier:	Not reported	
	Soil Qualifier:	Not reported	

CHARTER OAK HOSPITAL (Continued)

Map ID		MAP FIN	DINGS		
Direction Distance Elevation	Site	Ц		Database(s)	EDR ID Number EPA ID Number
	CHARTER OAK HOSPITAL	(Continued)			S102057470
	Organization: Owner Contact: Responsible Party: RP Address: Program: Lat/Long: Local Agency Staff: Beneficial Use: Priority: Cleanup Fund Id: Suspended: Assigned Name: Summary:	Not reported Not reported CHARTER OAK HOSPIT, 1161 E. COVINA BLVD., LUST 34.0996189 / -1 Not reported Not reported Not reported Not reported Not reported Not reported THE SITE HAD ONE 550 UST WAS REMOVED IN CONTAMINATION IS LO	AL COVINA, CA 91724 IO POTENTIAL WATER RI GAL. CAPACITY DIESEL U 8/97 AND REPLACED WIT W. RECOMMENDED FOR	ESOURCE IMPACT JST FOR EMERGENC TH AST. RESIDUAL CLOSURE.	Y GENERATOR.
	HIST CORTESE: Region: Facility County Code: Reg By: Reg Id:	CORTESE 19 LTNKA R-10146			
69 West 1/4-1/2 0.452 mi. 2386 ft.	ELDON DRAPERY CLEANE 551 E. EDNA PLACE COVINA, CA 91723	RS (FORMER)		ENVIROSTOR	S106843118 N/A
Relative: Lower Actual: 597 ft.	ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type:	19720036 Refer: 1248 Local Agency 11/28/2001 Not reported Evaluation Evaluation Not reported NO NONE SPECIFIED Not SPECIFIED Not reported Referred - Not Assigned Cleanup Cypress 57 Not reported Not reported Not reported NONE SPECIFIED Not SPECIFIED Not Applicable 34.09360 -117.8801 NONE SPECIFIED NONE SPECIFIED			

Database(s)

EDR ID Number **EPA ID Number**

ELDON DRAPERY CLEANERS (FORMER) (Continued)

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

Q70 7-ELEVEN STORE #33500 NNW **1075 N GRAND AVENUE** 1/4-1/2 COVINA, CA 91722

Schedule Revised Date:

0.484 mi. 2553 ft.

Site 1 of 2 in cluster Q

Relative:	LUST:	
Lower	Region:	STATE
	Global Id:	T1000000183
Actual:	Latitude:	34.09919
639 ft.	Longitude:	-117.872672
	Case Type:	LUST Cleanup Site
	Status:	Completed - Case Closed
	Status Date:	05/26/2009
	Lead Agency:	LOS ANGELES COUNTY
	Case Worker:	IEO
	Local Agency:	LOS ANGELES COUNTY
	RB Case Number:	Not reported
	LOC Case Number:	L520582
	File Location:	Not reported
	Potential Media Affect:	Not reported
	Potential Contaminants of Concern:	Benzene, Toluene, Xylene, Gasoline
	Site History:	Not reported

Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T1000000183
Contact Type:	Local Agency Caseworker
Contact Name:	IHEANACHO OFO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	iofo@dpw.lacounty.gov
Phone Number:	6264583512

Status History:	
Global Id:	T1000000183
Status:	Completed - Case Closed
Status Date:	05/26/2009

S106843118

LUST S108196351 N/A

Database(s)

EDR ID Number **EPA ID Number**

S108196351

-EL	EVEN STORE #33500 (Continued)	
	Global Id:	T1000000183
	Status:	Open - Case Begin Date
	Status Date:	12/15/2004
	Clobal Id:	T1000000182
	Stotuc:	Open Site Assessment
	Status Date:	08/11/2008
	olalus Dale.	00/11/2000
R	egulatory Activities:	
	Global Id:	T1000000183
	Action Type:	Other
	Date:	08/11/2008
	Action:	Leak Reported
	Global Id:	T1000000183
	Action Type:	ENFORCEMENT
	Date:	05/26/2009
	Action:	Closure/No Further Action Letter
	Global Id:	T1000000183
	Action Type:	Other
	Date:	12/15/2004
	Action:	Leak Began
	Global Id:	T1000000183
	Action Type:	Other
	Date:	12/15/2004
	Action:	Leak Discovery
	Global Id:	T1000000183
	Action Type:	Other
	Date:	12/15/2004
	Action:	Leak Stopped

7

Q71 **STANDARD OIL CO. (FORMER)** NNW 1070 GRAND AVE N 1/4-1/2 COVINA, CA 91724 0.486 mi. 2566 ft. Site 2 of 2 in cluster Q LUST: **Relative:** Region: STATE Higher Global Id: T0603705554 Actual: 34.099112 Latitude: 642 ft. Longitude: -117.872154 LUST Cleanup Site Case Type: Status: Completed - Case Closed Status Date: 03/05/1999 LOS ANGELES RWQCB (REGION 4) Lead Agency: Case Worker: GK LOS ANGELES COUNTY Local Agency: RB Case Number: R-26898 LOC Case Number: Not reported File Location: Not reported Potential Media Affect: Soil

Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon

LUST S103891237 HIST CORTESE N/A

Database(s)

EDR ID Number EPA ID Number

STANDARD OIL CO. (FORMER) (Continued)

Site History:

Not reported

Click here to access the California GeoTracker records for this facility:

Contact: Global Id: T0603705554 Contact Type: Regional Board Caseworker Contact Name: GREGG KWEY Organization Name: LOS ANGELES RWQCB (REGION 4) Address: 320 WEST 4TH ST. SUITE 200- 1ST FLOOR City: **R4 UNKNOWN, LOS ANGELES** Email: gkwey@waterboards.ca.gov Phone Number: 2135766702 T0603705554 Global Id: Contact Type: Local Agency Caseworker Contact Name: JOHN AWUJO Organization Name: LOS ANGELES COUNTY Address: 900 S FREMONT AVE City: ALHAMBRA Email: jawujo@dpw.lacounty.gov Phone Number: 6264583507 Status History: Global Id: T0603705554 Status: Completed - Case Closed 03/05/1999 Status Date: T0603705554 Global Id: Status: Open - Case Begin Date Status Date: 01/28/1999 **Regulatory Activities:** T0603705554 Global Id: Action Type: Other 02/03/1999 Date: Action: Leak Reported T0603705554 Global Id: Action Type: Other 01/28/1999 Date: Action: Leak Discovery LUST REG 4: Region: 4 04 Regional Board: County: Los Angeles R-26898 Facility Id: Status: Case Closed Substance: Hydrocarbons Substance Quantity: Not reported Local Case No: Not reported Case Type: Soil Abatement Method Used at the Site: No Action Required Global ID: T0603705554

S103891237

Database(s)

EDR ID Number EPA ID Number

STANDARD OIL CO. (FORMER)	(Continued)		S103891237
W Global ID:	Not reported		
Staff:	GK		
Local Agency:	19000		
Cross Street:	COVINA BLVD		
Enforcement Type:	Not reported		
Date Leak Discovered:	1/28/1999		
Date Leak First Reported:		2/3/1999	
Date Leak Record Entered:	3/2/1999		
Date Confirmation Began:	Not reported		
Date Leak Stopped:	Not reported		
Date Case Last Changed or	n Database:	3/15/1999	
Date the Case was Closed:		3/5/1999	
How Leak Discovered:	OM		
How Leak Stopped:	Not reported		
Cause of Leak:	UNK		
Leak Source:	UNK		
Operator:	Not reported		
Water System:	Not reported		
Well Name:	Not reported		
Approx. Dist To Production	Well (ft):	5999.4423823564702451416388678	
Source of Cleanup Funding:	:	UNK	
Preliminary Site Assessmen	t Workplan Submitted:	Not reported	
Preliminary Site Assessmen	t Began:	Not reported	
Pollution Characterization B	egan:	Not reported	
Remediation Plan Submittee	d:	Not reported	
Remedial Action Underway:		Not reported	
Post Remedial Action Monit	oring Began:	Not reported	
Enforcement Action Date:		Not reported	
Historical Max MTBE Date:		Not reported	
Hist Max MTBE Conc in Gro	oundwater:	Not reported	
Hist Max MTBE Conc in Soi	l:	Not reported	
Significant Interim Remedial	Action Taken:	Not reported	
GW Qualifier:	Not reported		
Soli Qualifier:	Not reported		
Organization:	Not reported		
Owner Contact:			
Responsible Party.			
RP Address.	1917 S. SEPULVEDA	BL., LOS ANGELES, CA 90025	
Filigiani.	24 0000600 / 1		
Lacel Agency Staff:	Not reported		
Beneficial Lise:	Not reported		
Priority:		R NO POTENTIAL WATER RESOURCE IMPACT	
Cleanup Fund Id:	Not reported		
Suspended:	Not reported		
Assigned Name	Not reported		
Summary:	SUBSURFACE INVES	STIGATION REVEALED "NONDETECT" LEVELS IN T	HE MAJORITY
Cannaly	OF SAMPLE TAKEN.	I ITTI E OR NO EVIDENCE OF ANY ENVIRONMENT	
	TO PREVIOUS SERV	/ICE STATION OPERATION INGASOLINE OR DIESEL	RANGE.
	DISTANCE TO GW IS	52	- ,
HIST CORTESE:	0007505		
	CORTESE		
Facility County Code:	19		
Reg By:	LINKA		
keg ia:	K-26898		

STANDARD OIL CO. (FORMER) (Continued)

Database(s)

EDR ID Number EPA ID Number

72 West 1/2-1 0.528 mi. 2788 ft. Relative: Lower Actual: 591 ft.	BROWN INTERNATIONAL CORP 633 N BARRANCA AVE COVINA, CA 91723	RCRA-SQG ENVIROSTOR LUST SWEEPS UST HIST UST CA FID UST FINDS ECHO HIST CORTESE WDS	1000437579 CAD982019614
	RCRA-SQG:		
	Date form received by agency	:07/31/1987	
	Facility name: Facility address:	BROWN INTERNATIONAL CORP 633 N BARRANCA AVE COVINA, CA 91723	
	EPA ID:	CAD982019614	
	Mailing address:	PO BOX 1170	
	Contact:	ENVIRONMENTAL MANAGER	
	Contact address.	COVINA, CA 91723	
	Contact country:	US	
	Contact telephone:	818-966-8361	
	EPA Region:	Not reported	
	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:	BROWN INTERNATIONAL	
	Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	415-555-1212 Not reported	
	Owner/operator fax:	Not reported	
	Owner/operator extension:	Not reported	
	Legal status:	Private	
	Owner/Operator Type:	Owner Net reported	
	Owner/Op end date:	Not reported	
	Owner/operator name: Owner/operator address:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	415-555-1212	
	Owner/operator email:	Not reported	
	Owner/operator extension	Not reported	
	Legal status:	Private	
	Owner/Operator Type:	Operator	
	Owner/Op start date: Owner/Op end date:	Not reported Not reported	

Database(s)

EDR ID Number EPA ID Number

1000437579

Handler Activities Summary	:
U.S. importer of hazardo	us waste: No
Mixed waste (haz. and ra	idioactive): No
Recycler of hazardous wa	aste: No
Transporter of hazardous	s waste: No
Treater, storer or dispose	er of HW: No
Underground injection ac	tivity: No
On-site burner exemptior	n: 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 ma	arketer: No
Used oil transfer facility:	No
Used oil transporter:	No
Violation Status:	No violations found
ENVIROSTOR:	
Facility ID:	71002966
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	48
Senate:	ZZ
Special Program:	Not reported
Restricted Use:	
Site Mgmt Req:	NONE SPECIFIED
Funding:	
	34.09239
AFN. Bast Liso:	NONE SPECIFIED
Potential COC:	
Confirmed COC:	
Potential Description:	NONE SPECIFIED
Alias Name:	
Alias Type	EPA Identification Number
Alias Name	110000477485
Alias Type	EPA (FRS #)
Alias Name:	71002966
Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name	Not reported
Completed Sub Area Nar	me: Not reported
Completed Document Tv	pe: Not reported
Completed Date:	Not reported
-	-

TC5091224.2s Page 136

Database(s)

EDR ID Number EPA ID Number

BROWN INTERNATIONAL CORP (Continued)

Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

LUST:

Region:	STATE
Global Id:	T0603704847
Latitude:	34.092391
Longitude:	-117.882774
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/27/1996
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-09673
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

T0603704847

JOHN AWUJO

ALHAMBRA

6264583507

T0603704847

YUE RONG

Los Angeles

Not reported

T0603704847

Local Agency Caseworker

LOS ANGELES COUNTY 900 S FREMONT AVE

jawujo@dpw.lacounty.gov

Regional Board Caseworker

yrong@waterboards.ca.gov

Completed - Case Closed

LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200

Contact:

Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:

Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:

Status History:

Global Id: Status: Status Date:

Global Id:

T0603704847

02/27/1996

1000437579

Database(s)

EDR ID Number EPA ID Number

Statue	Onon Cooo	Begin Date
Status Date:	02/27/1006	Begin Date
Jialus Dale.	02/21/1990	
egulatory Activities:		
Global Id:	T060370484	7
Action Type:	Other	
Date:	02/27/1996	
Action:	Leak Reporte	ed
UST REG 4:		
Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-09673	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at	the Site:	Not reported
Global ID:	T0603704847	•
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	W MILTON	
Enforcement Type:	Not reported	
Date Leak Discovered	Not reported	
Date Leak First Reported		2/27/1996
Date Leak Record Entered	5/1/1996	2,21,1000
Date Confirmation Began	Not reported	
Date Leak Stopped	Not reported	
Date Case Last Changed or	not reponed	2/27/1996
Date the Case was Closed		2/27/1006
How Leak Discovered	Not reported	2/21/1330
How Leak Discovered.	Not reported	
Cause of Look:	Not reported	
Cause of Leak:	Not reported	
Leak Source:		
	Net reported	
water System:	Not reported	
vvell Name:	Not reported	0000 0440700000047070000000000
Approx. Dist To Production	vveil (ft):	3298.3413708663217370336353784
Source of Cleanup Funding		Not reported
Preliminary Site Assessmer	t Workplan Submitted	Not reported
Preliminary Site Assessmer	it Began:	Not reported
Pollution Characterization B	egan:	Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monit	oring Began:	Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Gro	oundwater:	Not reported
Hist Max MTBE Conc in Soi	il:	Not reported
Significant Interim Remedia	I Action Taken:	Not reported
GW Qualifier:	Not reported	

1000437579

Database(s)

EDR ID Number EPA ID Number

BROWN INTERNATIONAL CORP (Continued)

Organization: Owner Contact: Responsible Party: RP Address: Program: Lat/Long: Local Agency Staff: Beneficial Use: Priority: Cleanup Fund Id: Suspended: Assigned Name: Summary:	Not repo BROWN 633 N B LUST 34.0922 Not repo Not repo Not repo Not repo Not repo	orted N INTERNATIONAL CORP BARRANCA AVE, COVINA CA 91723-1297 2531 / -1 orted orted orted orted orted orted orted orted orted orted orted orted
SWEEPS UST: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 9673 9 44-008511 06-30-89 Not reported 06-30-89 Not reported 06-30-89 UNKNOWN W Not reported 1	d d 673-000001 d I
HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks:		0002684C http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002684C.pdf STATE 00000041104 Other MANUFACTURING Not reported 8189668361 BROWN INTERNATIONAL CORPORATIO 633 N. BARRANCA COVINA, CA 91723 0005
Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Leak Detection: Tank Num:	Thickness:	001 1 Not reported 00001000 WASTE WASTE OIL Not reported Visual 002

Database(s)

EDR ID Number EPA ID Number

BROWN INTERNATIONAL CORP (Continued)

Container Num:	2
Year Installed:	1974
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1974
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1980
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	1980
Tank Capacity:	00009970
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST: Facility ID: 19030864 Regulated By: UTNKA Regulated ID: 00041104 Cortese Code: Not reported Not reported SIC Code: 818000000 Facility Phone: Mail To: Not reported Mailing Address: BOX Mailing Address 2: Not reported Mailing City,St,Zip: COVINA Contact: Not reported Contact Phone: Not reported Not reported DUNs Number: NPDES Number: Not reported EPA ID: Not reported Not reported Comments: Status: Active

1000437579

Database(s)

EDR ID Number EPA ID Number

FINDS:		
Registry ID:	110000477485	
Environmental Interes Cal pro ger faci	t/Information System ifornia Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) vides California with information on hazardous waste shipments for ierators, transporters, and treatment, storage, and disposal lities.	
US fror the tran	EPA TRIS (Toxics Release Inventory System) contains information n facilities on the amounts of over 300 listed toxic chemicals that se facilities release directly to air, water, land, or that are isported off-site.	
HA	ZARDOUS AIR POLLUTANT MAJOR	
RC Cor eve and pro cor	RAInfo is a national information system that supports the Resource nservation and Recovery Act (RCRA) program through the tracking of ints and activities related to facilities that generate, transport, I treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA gram staff to track the notification, permit, compliance, and rective action activities required under RCRA.	
ST	ATE MASTER	
<u>Clic</u> adc	this hyperlink while viewing on your computer to access litional FINDS: detail in the EDR Site Report.	
ECHO:		
Envid:	1000437579	
Registry ID:	110000477485	
DFR URL.	http://echo.epa.gov/detailed-laciity-report/ild=110000477465	
HIST CORTESE:		
Region:	CORTESE	
Facility County Code:	19	
Reg By: Reg Id:	R-09673	
5		
WDS:		
Facility ID:	4 191010914	
Facility Type:	Not reported	
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is	
NPDES Number:	under waste Discharge Requirements. CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board	
Subregion:	4	
Facility Telephone:	Not reported	
Facility Contact:	Not reported	
Agency Name:	BROWN INTERNATIONAL CORP	
Agency Address:	Not reported	
Agency City St Zip	0	
rigonoy ony,ou,-ip.		

Database(s)

EDR ID Number EPA ID Number

BROWN INTERNATIONAL CORP (Continued)

Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type	: Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order
	to a major or minor threat. Not: All nurds without a TTWO will be
	considered a minor threat to water quality unless coded at a higher
	Level A Zero (0) may be used to code those NURDS that are found to
	represent no threat to water quality
Complexity:	Category C - Eacilities having no waste treatment systems, such as
Complexity.	cooling water dischargers or thosewho must comply through best
	management practices, facilities with passive waste treatment and
	disposal systems, such as septic systems with subsurface disposal or
	dischargers having waste storage systems with land disposal such as
	dairy waste ponds

1000437579

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)

NO SITES FOUND

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: 05/30/2017 Date Data Arrived at EDR: 06/08/2017 Date Made Active in Reports: 09/15/2017 Number of Days to Update: 99 Source: EPA Telephone: N/A Last EDR Contact: 10/05/2017 Next Scheduled EDR Contact: 01/15/2018 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 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

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.

EPA Region 6

EPA Region 7

EPA Region 8

EPA Region 9

Telephone: 214-655-6659

Telephone: 913-551-7247

Telephone: 303-312-6774

Telephone: 415-947-4246

Date of Government Version: 05/30/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 09/15/2017 Number of Days to Update: 98

Source: EPA Telephone: N/A Last EDR Contact: 10/05/2017 Next Scheduled EDR Contact: 01/15/2018 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: 05/30/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 09/15/2017 Number of Days to Update: 98 Source: EPA Telephone: N/A Last EDR Contact: 10/05/2017 Next Scheduled EDR Contact: 01/15/2018 Data Release Frequency: Quarterly

Federal CERCLIS list

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: 11/07/2016	Source: Environmental Protection Agency	
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704	
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 10/06/2017	
Number of Days to Update: 92	Next Scheduled EDR Contact: 01/15/2018	
	Data Release Frequency: Varies	

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/11/2017 Date Data Arrived at EDR: 07/21/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 77 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 10/20/2017 Next Scheduled EDR Contact: 01/29/2018 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/11/2017 Date Data Arrived at EDR: 07/28/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 70 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 10/20/2017 Next Scheduled EDR Contact: 01/29/2018 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: 09/13/2017	Source: EPA
Date Data Arrived at EDR: 09/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	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: 09/13/2017 Date Data Arrived at EDR: 09/26/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 10 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 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: 09/13/2017 Date Data Arrived at EDR: 09/26/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 10 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2017 Date Data Arrived at EDR: 09/26/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 10 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 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: 09/13/2017Source: EnvDate Data Arrived at EDR: 09/26/2017Telephone:Date Made Active in Reports: 10/06/2017Last EDR CoNumber of Days to Update: 10Next ScheduDate Data ControlNext Schedu

Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	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: 08/10/2017 Date Data Arrived at EDR: 08/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 44 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 08/30/2017 Next Scheduled EDR Contact: 12/11/2017 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: 09/18/2017 Date Data Arrived at EDR: 09/21/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 22 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 09/21/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly

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: 07/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/01/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 08/01/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/13/2017
	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: 07/31/2017 Date Data Arrived at EDR: 08/01/2017 Date Made Active in Reports: 08/15/2017 Number of Days to Update: 14 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/01/2017 Next Scheduled EDR Contact: 11/13/2017 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 inventory 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: 08/14/2017 Date Data Arrived at EDR: 08/17/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 35 Source: Department of Resources Recycling and Recovery Telephone: 916-341-6320 Last EDR Contact: 08/17/2017 Next Scheduled EDR Contact: 11/27/2017 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists
	LUST: Leaking Underground Fuel Tank Report (GEOTRACKER) Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.		
	Date of Government Version: 06/12/2017 Date Data Arrived at EDR: 06/14/2017 Date Made Active in Reports: 08/22/2017 Number of Days to Update: 69	Source: State Water Resources Control Board Telephone: see region list Last EDR Contact: 09/12/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Quarterly	
	LUST REG 2: Fuel Leak List Leaking Underground Storage Tank locations. Clara, Solano, Sonoma counties.	. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa	
	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 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 Boa to the State Water Resources Control Board's	s rd Santa Ana Region (8). For more current information, please refer 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 6V: Leaking Underground Storage Tan Leaking Underground Storage Tank locations.	k Case Listing . Inyo, Kern, Los Angeles, Mono, San Bernardino counties.	
	Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005 Number of Days to Update: 22	Source: California Regional Water Quality Control Board Victorville Branch Office (6) Telephone: 760-241-7365 Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned	

LUST REG 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

LUS	ST 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	
LUS	T REG 4: Underground Storage Tank Leak List Los Angeles, Ventura counties. For more curre Board's LUST database.	nt information, please refer to the State Water Resources Control	
	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	
LUS	T REG 3: Leaking Underground Storage Tank D Leaking Underground Storage Tank locations.	Database 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	
LUS	T REG 1: Active Toxic Site Investigation Del Norte, Humboldt, Lake, Mendocino, Modoc please refer to the State Water Resources Con	, Siskiyou, Sonoma, Trinity counties. For more current information, trol 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	

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-6597
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	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: 04/14/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.		
Date of Government Version: 05/01/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 78	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies	
INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada		
Date of Government Version: 04/13/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 78	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies	
INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.		
Date of Government Version: 10/07/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017 Number of Days to Update: 99	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 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: 04/14/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 71	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies	
INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.		
Date of Government Version: 04/26/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 78	Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 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: 10/14/2016 Date Data Arrived at EDR: 01/27/2017 Date Made Active in Reports: 05/05/2017 Number of Days to Update: 98	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Semi-Annually	
SLIC: Statewide SLIC Cases (GEOTRACKER) Cleanup Program Sites (CPS; also known as and Cleanups [SLIC] sites) included in GeoT sites that impact, or have the potential to imp	Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, racker. GeoTracker is the Water Boards data management system for act, water quality in California, with emphasis on groundwater.	
Date of Government Version: 06/12/2017 Date Data Arrived at EDR: 06/14/2017 Date Made Active in Reports: 08/23/2017 Number of Days to Update: 70	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/12/2017 Next Scheduled EDR Contact: 12/25/2017	

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 & Cleanu The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	p Cost Recovery Listing anup) program is designed to protect and restore water quality	
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 Clo from spills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality	
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	
State and tribal registered storage tank lists		
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground storage tanks.		
Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 136	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 10/13/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Varies	

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/12/2017	Source: SWRCB
Date Data Arrived at EDR: 06/14/2017	Telephone: 916-341-5851
Date Made Active in Reports: 08/23/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 70	Next Scheduled EDR Contact: 12/25/2017
	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: 07/06/2016 Date Data Arrived at EDR: 07/12/2016 Date Made Active in Reports: 09/19/2016 Number of Days to Update: 69	Source: California Environmental Protection Agency Telephone: 916-327-5092 Last EDR Contact: 09/25/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly	
INDIAN UST R5: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).		ndian Land database provides information about underground storage tanks on Indian nd Wisconsin and Tribal Nations).	
	Date of Government Version: 04/26/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 71	Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 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 I land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tenness and Tribal Nations)		ndian Land database provides information about underground storage tanks on Indian rgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee	
	Date of Government Version: 10/14/2016 Date Data Arrived at EDR: 01/27/2017 Date Made Active in Reports: 05/05/2017 Number of Days to Update: 98	Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 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 Ind land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).			
	Date of Government Version: 05/02/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 71	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies	
INDIAN UST R10: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on India land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).			
	Date of Government Version: 04/25/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 78	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies	
INDIAN UST R9: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Ind Jand in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).		ndian Land database provides information about underground storage tanks on Indian waii, Nevada, the Pacific Islands, and Tribal Nations).	
	Date of Government Version: 04/13/2017 Date Data Arrived at EDR: 07/27/2017	Source: EPA Region 9 Telephone: 415-972-3368	

Date of Government Version: 04/13/2017	Source: EPA Region 9
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3368
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	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: 05/01/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 78 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 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: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 71 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/31/2017 Date Data Arrived at EDR: 08/01/2017 Date Made Active in Reports: 08/15/2017 Number of Days to Update: 14 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/01/2017 Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27 Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 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: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/25/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/27/2017 Date Data Arrived at EDR: 06/28/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 85 Source: State Water Resources Control Board Telephone: 916-323-7905 Last EDR Contact: 09/21/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/19/2017 Date Data Arrived at EDR: 06/20/2017 Date Made Active in Reports: 09/15/2017 Number of Days to Update: 87 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 09/20/2017 Next Scheduled EDR Contact: 01/01/2018 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000 Number of Days to Update: 30 Source: State Water Resources Control Board Telephone: 916-227-4448 Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/11/2017 Date Data Arrived at EDR: 09/12/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 9 Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 09/12/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

	Date of Government Version: 05/30/2017 Date Data Arrived at EDR: 05/31/2017 Date Made Active in Reports: 08/15/2017 Number of Days to Update: 76	Source: Integrated Waste Management Board Telephone: 916-341-6422 Last EDR Contact: 08/10/2017 Next Scheduled EDR Contact: 11/27/2017 Data Release Frequency: Varies
IND	AN ODI: Report on the Status of Open Dumps of Location of open dumps on Indian land.	on Indian Lands
	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: 08/01/2017 Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Varies
ODI	Open Dump Inventory An open dump is defined as a disposal facility t Subtitle D Criteria.	that does not comply with one or more of the Part 257 or Part 258
	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: 10/20/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: No Update Planned
IHS	OPEN DUMPS: Open Dumps on Indian Land A listing of all open dumps located on Indian La	and in the United States.
	Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 176	Source: Department of Health & Human Serivces, Indian Health Service Telephone: 301-443-1452 Last EDR Contact: 08/29/2017 Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Varies
Loc	al Lists of Hazardous waste / Contaminated S	Sites
US I	HST CDL: National Clandestine Laboratory Reg A listing of clandestine drug lab locations that h Register.	gister ave been removed from the DEAs National Clandestine Laboratory
	Date of Government Version: 07/13/2017 Date Data Arrived at EDR: 09/06/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 30	Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 08/30/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006 Number of Days to Update: 21 Source: Department of Toxic Substance Control Telephone: 916-323-3400 Last EDR Contact: 02/23/2009 Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/31/2017 Date Data Arrived at EDR: 08/01/2017 Date Made Active in Reports: 08/15/2017 Number of Days to Update: 14 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/01/2017 Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/18/2017	Telephone: 916-255-6504
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 10/10/2017
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Varies

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

	Date of Government Version: 06/01/1994 Date Data Arrived at EDR: 07/07/2005 Date Made Active in Reports: 08/11/2005 Number of Days to Update: 35	Source: State Water Resources Control Board Telephone: N/A Last EDR Contact: 06/03/2005 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
UST	MENDOCINO: Mendocino County UST Databa A listing of underground storage tank locations	ise in Mendocino County.
	Date of Government Version: 06/02/2017 Date Data Arrived at EDR: 06/06/2017 Date Made Active in Reports: 08/25/2017 Number of Days to Update: 80	Source: Department of Public Health Telephone: 707-463-4466 Last EDR Contact: 08/24/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: Annually
HIST	UST: Hazardous Substance Storage Containe The Hazardous Substance Storage Container I source for current data.	r Database Database is a historical listing of UST sites. Refer to local/county
	Date of Government Version: 10/15/1990	Source: State Water Resources Control Board

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

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

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/02/2017 Date Data Arrived at EDR: 06/06/2017 Date Made Active in Reports: 08/22/2017 Number of Days to Update: 77 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/31/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/11/2017 Date Data Arrived at EDR: 07/26/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 79 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/05/2017 Date Data Arrived at EDR: 06/06/2017 Date Made Active in Reports: 08/10/2017 Number of Days to Update: 65 Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 09/06/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/21/2017	Telephone: 202-366-4555
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/09/2017	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/26/2017	Telephone: 916-845-8400
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017SourceDate Data Arrived at EDR: 06/14/2017TelephDate Made Active in Reports: 08/18/2017Last EINumber of Days to Update: 65Next Si

Source: State Water Quality Control Board Telephone: 866-480-1028 Last EDR Contact: 09/12/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017 Date Data Arrived at EDR: 06/14/2017 Date Made Active in Reports: 08/22/2017 Number of Days to Update: 69 Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/12/2017 Next Scheduled EDR Contact: 12/25/2017 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: 06/06/2012Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 02/22/2013Last EDR Contact: 01/03/2013Number of Days to Update: 50Next Scheduled EDR Contact: N/AData Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2017 Date Data Arrived at EDR: 09/26/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 10 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015 Number of Days to Update: 97 Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 08/25/2017 Next Scheduled EDR Contact: 12/04/2017 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: 10/13/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 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: 10/11/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 08/18/2017 Next Scheduled EDR Contact: 11/27/2017 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/10/2017 Date Data Arrived at EDR: 05/17/2017 Date Made Active in Reports: 09/15/2017 Number of Days to Update: 121 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 08/07/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015 Number of Days to Update: 6 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 08/24/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 14 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 09/22/2017 Next Scheduled EDR Contact: 01/01/2018 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 11/24/2015 Date Made Active in Reports: 04/05/2016 Number of Days to Update: 133 Source: EPA Telephone: 202-566-0250 Last EDR Contact: 08/23/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 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: 10/27/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/27/2017	Source: EPA
Date Data Arrived at EDR: 10/12/2017	Telephone: 703-416-0223
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 09/08/2017
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017 Date Data Arrived at EDR: 02/09/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties A listing of verified Potentially Responsible Partice	ties	
Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014 Number of Days to Update: 3	Source: EPA Telephone: 202-564-6023 Last EDR Contact: 08/08/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Quarterly	
PADS: PCB Activity Database System PCB Activity Database. PADS Identifies gener of PCB's who are required to notify the EPA of	ators, transporters, commercial storers and/or brokers and disposers	
Date of Government Version: 06/01/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 126	Source: EPA Telephone: 202-566-0500 Last EDR Contact: 10/13/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Annually	
ICIS: Integrated Compliance Information System The Integrated Compliance Information Syster and compliance program as well as the unique program.	n (ICIS) supports the information needs of the national enforcement e needs of the National Pollutant Discharge Elimination System (NPDES)	
Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79	Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 10/11/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Quarterly	
FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.		
Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25	Source: EPA/Office of Prevention, Pesticides and Toxic Substances Telephone: 202-566-1667 Last EDR Contact: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: 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: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly	
MLTS: Material Licensing Tracking System MLTS is maintained by the Nuclear Regulatory possess or use radioactive materials and whic EDR contacts the Agency on a quarterly basis	v Commission and contains a list of approximately 8,100 sites which h are subject to NRC licensing requirements. To maintain currency,	
Date of Government Version: 08/30/2016 Date Data Arrived at EDR: 09/08/2016 Date Made Active in Reports: 10/21/2016 Number of Days to Update: 43	Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 10/16/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Quarterly	

COAL ASH DOE: Steam-Electric Plant Operation Data A listing of power plants that store ash in surface ponds.

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 12/18/2017
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: 07/01/2014 Date Data Arrived at EDR: 09/10/2014	Source: Environmental Protection Agency
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/18/2017 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/26/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017 Date Data Arrived at EDR: 10/05/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 8 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 10/05/2017 Next Scheduled EDR Contact: 01/15/2018 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.

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

	Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40	Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned
DOT	OPS: Incident and Accident Data Department of Transporation, Office of Pipeline	Safety Incident and Accident data.
	Date of Government Version: 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: 08/01/2017 Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Varies
CON	SENT: Superfund (CERCLA) Consent Decrees Major legal settlements that establish responsit periodically by United States District Courts after	pility and standards for cleanup at NPL (Superfund) sites. Released er settlement by parties to litigation matters.
	Date of Government Version: 06/30/2017 Date Data Arrived at EDR: 08/03/2017 Date Made Active in Reports: 10/20/2017 Number of Days to Update: 78	Source: Department of Justice, Consent Decree Library Telephone: Varies Last EDR Contact: 09/25/2017 Next Scheduled EDR Contact: 01/08/2018 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: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017 Number of Days to Update: 218	Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 09/21/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Biennially
INDI	AN RESERV: Indian Reservations This map layer portrays Indian administered lar than 640 acres.	nds of the United States that have any area equal to or greater
	Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017 Number of Days to Update: 546	Source: USGS Telephone: 202-208-3710 Last EDR Contact: 10/11/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Semi-Annually
FUSI	RAP: Formerly Utilized Sites Remedial Action P DOE established the Formerly Utilized Sites Re radioactive contamination remained from Manh	rogram medial Action Program (FUSRAP) in 1974 to remediate sites where attan Project and early U.S. Atomic Energy Commission (AEC) operations.
	Date of Government Version: 12/23/2016 Date Data Arrived at EDR: 12/27/2016 Date Made Active in Reports: 02/17/2017 Number of Days to Update: 52	Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Varies
UMT	RA: 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: 10/10/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Varies	
LEAD SMELTER 1: Lead Smelter Sites A listing of former lead smelter site locations.		
Date of Government Version: 05/30/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 09/15/2017 Number of Days to Update: 98	Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 10/05/2017 Next Scheduled EDR Contact: 01/15/2018 Data Release Frequency: Varies	
LEAD SMELTER 2: Lead Smelter Sites A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust		
Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36	Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned	
US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS) The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.		
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually	
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.		
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually	
US MINES: Mines Master Index File Contains all mine identification numbers issued violation information.	for mines active or opened since 1971. The data also includes	
Date of Government Version: 07/31/2017 Date Data Arrived at EDR: 08/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 44	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 08/30/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: Semi-Annually	
US MINES 2: Ferrous and Nonferrous Metal Mines This map layer includes ferrous (ferrous metal	Database Listing mines are facilities that extract ferrous metals, such as iron	

ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 49 Source: USGS Telephone: 703-648-7709 Last EDR Contact: 09/01/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97 Source: USGS Telephone: 703-648-7709 Last EDR Contact: 09/01/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/25/2017 Date Data Arrived at EDR: 09/26/2017 Date Made Active in Reports: 10/20/2017 Number of Days to Update: 24 Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/25/2017 Next Scheduled EDR Contact: 12/25/2017 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: 07/23/2017	Source: EPA
Date Data Arrived at EDR: 09/06/2017	Telephone: (415) 947-8000
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016	
Date Data Arrived at EDR: 06/02/2017	
Date Made Active in Reports: 10/13/2017	
Number of Days to Update: 133	

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 10/16/2017 Next Scheduled EDR Contact: 01/29/2018 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2017 Date Data Arrived at EDR: 09/06/2017 Date Made Active in Reports: 10/20/2017 Number of Days to Update: 44

Source: Environmental Protection Agency Telephone: 202-564-2280 Last EDR Contact: 09/06/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Do A complete list of the Federal Agency Hazard	ocket Listing lous Waste Compliance Docket Facilities.
Date of Government Version: 06/02/2016 Date Data Arrived at EDR: 06/03/2016 Date Made Active in Reports: 09/02/2016 Number of Days to Update: 91	Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 09/21/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: Varies
FUELS PROGRAM: EPA Fuels Program Register This listing includes facilities that are register Programs. All companies now are required to	ed Listing ed under the Part 80 (Code of Federal Regulations) EPA Fuels submit new and updated registrations.
Date of Government Version: 08/17/2017 Date Data Arrived at EDR: 08/17/2017 Date Made Active in Reports: 09/15/2017 Number of Days to Update: 29	Source: EPA Telephone: 800-385-6164 Last EDR Contact: 08/17/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly
CA BOND EXP. PLAN: Bond Expenditure Plan Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.	
Date of Government Version: 01/01/1989 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994 Number of Days to Update: 6	Source: Department of Health Services Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
CORTESE: "Cortese" Hazardous Waste & Substances Sites List The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Wast Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).	
Date of Government Version: 09/21/2017 Date Data Arrived at EDR: 09/21/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 22	Source: CAL EPA/Office of Emergency Information Telephone: 916-323-3400 Last EDR Contact: 09/21/2017 Next Scheduled EDR Contact: 01/01/2018 Data Release Frequency: Quarterly
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 laur and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.	
Date of Government Version: 08/02/2017 Date Data Arrived at EDR: 08/08/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 69	Source: Department of Toxic Substance Control Telephone: 916-327-4498 Last EDR Contact: 08/08/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Annually
EMI: Emissions Inventory Data Toxics and criteria pollutant emissions data c	ollected by the ARB and local air pollution agencies.
Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 03/21/2017 Date Made Active in Reports: 08/15/2017 Number of Days to Update: 147	Source: California Air Resources Board Telephone: 916-322-2990 Last EDR Contact: 09/22/2017 Next Scheduled EDR Contact: 01/01/2018

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: 08/18/2017	Source: State Water Resoruces Control Board
Date Data Arrived at EDR: 08/22/2017	Telephone: 916-445-9379
Date Made Active in Reports: 10/24/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/21/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/25/2017	Telephone: 916-255-3628
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/15/2017	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 08/22/2017	Telephone: 916-341-6066
Date Made Active in Reports: 10/25/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2017	Telephone: 916-255-1136
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 10/10/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/21/2017	Source: Department of Toxic Subsances Control
Date Data Arrived at EDR: 08/22/2017	Telephone: 877-786-9427
Date Made Active in Reports: 10/25/2017	Last EDR Contact: 08/22/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009 Number of Days to Update: 76 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/21/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/22/2017	Telephone: 916-323-3400
Date Made Active in Reports: 10/25/2017	Last EDR Contact: 08/22/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/10/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/10/2017	Telephone: 916-440-7145
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 10/10/2017
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016	Source: Department of Conservation
Date Data Arrived at EDR: 09/14/2016	Telephone: 916-322-1080
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 09/12/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/25/2017
	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: 05/25/2017	Source: Department of Public Health
Date Data Arrived at EDR: 06/06/2017	Telephone: 916-558-1784
Date Made Active in Reports: 08/23/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/14/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/17/2017	Telephone: 916-445-9379
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 61	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/05/2017	
Date Data Arrived at EDR: 06/07/2017	
Date Made Active in Reports: 08/25/2017	
Number of Days to Update: 79	

Source: Department of Pesticide Regulation Telephone: 916-445-4038 Last EDR Contact: 09/06/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 09/11/2017 Date Data Arrived at EDR: 09/12/2017 Date Made Active in Reports: 10/18/2017 Number of Days to Update: 36

Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 09/12/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/16/2017 Date Data Arrived at EDR: 06/20/2017 Date Made Active in Reports: 10/17/2017 Number of Days to Update: 119

Source: State Water Resources Control Board Telephone: 916-445-3846 Last EDR Contact: 09/18/2017 Next Scheduled EDR Contact: 01/01/2018 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: 01/20/2017	Source: Deaprtment of Conservation
Date Data Arrived at EDR: 03/14/2017	Telephone: 916-445-2408
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/25/2017
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/23/2015 Number of Days to Update: 67

Source: RWQCB, Central Valley Region Telephone: 559-445-5577 Last EDR Contact: 10/13/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 08/18/2017
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/25/2017
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196 Source: Department of Resources Recycling and Recovery Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182 Source: State Water Resources Control Board Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

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: 09/22/2017 Date Data Arrived at EDR: 09/22/2017 Date Made Active in Reports: 10/10/2017 Number of Days to Update: 18 Source: Alameda County Environmental Health Services Telephone: 510-567-6700 Last EDR Contact: 09/21/2017 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/07/2017Source: Alameda County Environmental Health ServicesDate Data Arrived at EDR: 07/11/2017Telephone: 510-567-6700Date Made Active in Reports: 08/23/2017Last EDR Contact: 10/10/2017Number of Days to Update: 43Next Scheduled EDR Contact: 04/24/2047Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List Cupa Facility List

> Date of Government Version: 06/20/2017 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 49

Source: Amador County Environmental Health Telephone: 209-223-6439 Last EDR Contact: 08/31/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017 Date Data Arrived at EDR: 04/25/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 106 Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 09/18/2017 Next Scheduled EDR Contact: 10/23/2017 Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

> Date of Government Version: 04/25/2017 Date Data Arrived at EDR: 04/27/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 104

Source: Calveras County Environmental Health Telephone: 209-754-6399 Last EDR Contact: 09/05/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 08/07/2017 Date Data Arrived at EDR: 08/08/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 69 Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/17/2017 Date Data Arrived at EDR: 08/22/2017 Date Made Active in Reports: 10/25/2017 Number of Days to Update: 64 Source: Contra Costa Health Services Department Telephone: 925-646-2286 Last EDR Contact: 07/31/2017 Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list Date of Government Version: 08/02/2017

Date Data Arrived at EDR: 08/08/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 66 Source: Del Norte County Environmental Health Division Telephone: 707-465-0426 Last EDR Contact: 10/25/2017 Next Scheduled EDR Contact: 02/12/2018 Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 08/18/2017 Date Data Arrived at EDR: 08/22/2017 Date Made Active in Reports: 10/24/2017 Number of Days to Update: 63 Source: El Dorado County Environmental Management Department Telephone: 530-621-6623 Last EDR Contact: 07/31/2017 Next Scheduled EDR Contact: 11/13/2017 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: 06/30/2017 Date Data Arrived at EDR: 07/05/2017 Date Made Active in Reports: 08/04/2017 Number of Days to Update: 30 Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 09/27/2017 Next Scheduled EDR Contact: 01/15/2018 Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List Cupa facility list

> Date of Government Version: 07/26/2017 Date Data Arrived at EDR: 07/28/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 77

Source: Glenn County Air Pollution Control District Telephone: 830-934-6500 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List CUPA facility list.

> Date of Government Version: 08/03/2017 Date Data Arrived at EDR: 08/08/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 69

Source: Humboldt County Environmental Health Telephone: N/A Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 07/21/2017 Date Data Arrived at EDR: 07/25/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 83 Source: San Diego Border Field Office Telephone: 760-339-2777 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 08/04/2017 Number of Days to Update: 56 Source: Inyo County Environmental Health Services Telephone: 760-878-0238 Last EDR Contact: 08/31/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

> Date of Government Version: 08/07/2017 Date Data Arrived at EDR: 08/08/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 44

Source: Kern County Environment Health Services Department Telephone: 661-862-8700 Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/20/2017 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: 09/22/2017 Date Data Arrived at EDR: 09/22/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 24 Source: Kings County Department of Public Health Telephone: 559-584-1411 Last EDR Contact: 09/22/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List Cupa facility list

Date of Government Version: 08/03/2017 Date Data Arrived at EDR: 08/03/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 74

Source: Lake County Environmental Health Telephone: 707-263-1164 Last EDR Contact: 10/16/2017 Next Scheduled EDR Contact: 01/29/2018 Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 07/24/2017 Date Data Arrived at EDR: 07/26/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 82 Source: Lassen County Environmental Health Telephone: 530-251-8528 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 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. Source: EPA Region 9 Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Telephone: 415-972-3178 Date Made Active in Reports: 10/23/2009 Last EDR Contact: 09/18/2017 Number of Days to Update: 206 Next Scheduled EDR Contact: 01/01/2018 Data Release Frequency: No Update Planned HMS: Street Number List Industrial Waste and Underground Storage Tank Sites. Date of Government Version: 10/11/2017 Source: Department of Public Works Date Data Arrived at EDR: 10/12/2017 Telephone: 626-458-3517 Last EDR Contact: 10/10/2017 Date Made Active in Reports: 10/17/2017 Number of Days to Update: 5 Next Scheduled EDR Contact: 01/22/2018 Data Release Frequency: Semi-Annually List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County. Date of Government Version: 07/17/2017 Source: La County Department of Public Works Date Data Arrived at EDR: 07/18/2017 Telephone: 818-458-5185 Date Made Active in Reports: 09/21/2017 Last EDR Contact: 10/17/2017 Number of Days to Update: 65 Next Scheduled EDR Contact: 01/29/2018 Data Release Frequency: Varies City of Los Angeles Landfills Landfills owned and maintained by the City of Los Angeles. Date of Government Version: 01/01/2017 Source: Engineering & Construction Division Date Data Arrived at EDR: 04/21/2017 Telephone: 213-473-7869 Date Made Active in Reports: 10/09/2017 Last EDR Contact: 10/16/2017 Number of Days to Update: 171 Next Scheduled EDR Contact: 01/29/2018 Data Release Frequency: Varies Site Mitigation List Industrial sites that have had some sort of spill or complaint. Date of Government Version: 03/29/2016 Source: Community Health Services Date Data Arrived at EDR: 04/06/2016 Telephone: 323-890-7806 Last EDR Contact: 10/24/2017 Date Made Active in Reports: 06/13/2016 Next Scheduled EDR Contact: 01/29/2018 Number of Days to Update: 68 Data Release Frequency: Annually City of El Segundo Underground Storage Tank Underground storage tank sites located in El Segundo city. Date of Government Version: 01/21/2017 Source: City of El Segundo Fire Department Telephone: 310-524-2236 Date Data Arrived at EDR: 04/19/2017 Date Made Active in Reports: 05/10/2017 Last EDR Contact: 10/16/2017 Next Scheduled EDR Contact: 01/29/2018 Number of Days to Update: 21 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: 03/09/2017 Source: City of Long Beach Fire Department Date Data Arrived at EDR: 03/10/2017 Telephone: 562-570-2563 Last EDR Contact: 10/23/2017 Date Made Active in Reports: 05/03/2017 Number of Days to Update: 54 Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Annually

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City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/11/2017 Date Data Arrived at EDR: 07/14/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 69 Source: City of Torrance Fire Department Telephone: 310-618-2973 Last EDR Contact: 10/10/2017 Next Scheduled EDR Contact: 01/22/2018 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: 06/01/2017 Date Data Arrived at EDR: 06/02/2017 Date Made Active in Reports: 08/04/2017 Number of Days to Update: 63 Source: Madera County Environmental Health Telephone: 559-675-7823 Last EDR Contact: 10/26/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites Currently permitted USTs in Marin County.

> Date of Government Version: 07/03/2017 Date Data Arrived at EDR: 09/06/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 15

Source: Public Works Department Waste Management Telephone: 415-473-6647 Last EDR Contact: 09/27/2017 Next Scheduled EDR Contact: 01/15/2018 Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List CUPA facility list.

> Date of Government Version: 10/02/2017 Date Data Arrived at EDR: 10/03/2017 Date Made Active in Reports: 10/17/2017 Number of Days to Update: 14

Source: Merced County Environmental Health Telephone: 209-381-1094 Last EDR Contact: 09/27/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List CUPA Facility List

> Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 09/06/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 40

Source: Mono County Health Department Telephone: 760-932-5580 Last EDR Contact: 08/08/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/22/2017	
Date Data Arrived at EDR: 06/23/2017	
Date Made Active in Reports: 08/09/2017	
Number of Days to Update: 47	

Source: Monterey County Health Department Telephone: 831-796-1297 Last EDR Contact: 08/21/2017 Next Scheduled EDR Contact: 12/04/2017 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: 01/09/2017 Date Data Arrived at EDR: 01/11/2017 Date Made Active in Reports: 03/02/2017 Number of Days to Update: 50 Source: Napa County Department of Environmental Management Telephone: 707-253-4269 Last EDR Contact: 08/24/2017 Next Scheduled EDR Contact: 12/11/2017 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: 08/24/2017SouDate Data Arrived at EDR: 08/25/2017TelDate Made Active in Reports: 10/27/2017LasNumber of Days to Update: 63Nex

Source: Napa County Department of Environmental Management Telephone: 707-253-4269 Last EDR Contact: 08/24/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/04/2017 Date Data Arrived at EDR: 08/08/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 69 Source: Community Development Agency Telephone: 530-265-1467 Last EDR Contact: 10/25/2017 Next Scheduled EDR Contact: 02/12/2018 Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups Petroleum and non-petroleum spills.

> Date of Government Version: 08/07/2017 Date Data Arrived at EDR: 08/11/2017 Date Made Active in Reports: 10/11/2017 Number of Days to Update: 61

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/07/2017 Date Data Arrived at EDR: 08/11/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 41 Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/07/2017 Date Data Arrived at EDR: 08/09/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 43 Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/09/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/02/2017 Date Data Arrived at EDR: 06/06/2017 Date Made Active in Reports: 08/22/2017 Number of Days to Update: 77 Source: Placer County Health and Human Services Telephone: 530-745-2363 Last EDR Contact: 08/31/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 06/19/2017 Date Data Arrived at EDR: 07/05/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 35 Source: Plumas County Environmental Health Telephone: 530-283-6355 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/11/2017 Date Data Arrived at EDR: 07/14/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 69 Source: Department of Environmental Health Telephone: 951-358-5055 Last EDR Contact: 09/18/2017 Next Scheduled EDR Contact: 01/01/2018 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/11/2017 Date Data Arrived at EDR: 07/14/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 69 Source: Department of Environmental Health Telephone: 951-358-5055 Last EDR Contact: 09/18/2017 Next Scheduled EDR Contact: 01/01/2018 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: 08/02/2017 Date Data Arrived at EDR: 10/03/2017 Date Made Active in Reports: 10/06/2017 Number of Days to Update: 3	Source: Sacramento County Environmental Management Telephone: 916-875-8406 Last EDR Contact: 10/03/2017 Next Scheduled EDR Contact: 01/15/2018 Data Release Frequency: Quarterly	
Mast	aster 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: 05/03/2017 Date Data Arrived at EDR: 07/06/2017 Date Made Active in Reports: 08/22/2017 Number of Days to Update: 47	Source: Sacramento County Environmental Management Telephone: 916-875-8406 Last EDR Contact: 10/03/2017 Next Scheduled EDR Contact: 01/15/2018 Data Release Frequency: Quarterly	
SAN	BENITO COUNTY:		

CUPA Facility List

Cupa facility list

Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 08/11/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 66

Source: San Benito County Environmental Health Telephone: N/A Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Varies

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: 05/30/2017 Source: San Bernardino County Fire Department Hazardous Materials Division Telephone: 909-387-3041 Date Data Arrived at EDR: 06/01/2017 Date Made Active in Reports: 08/25/2017 Last EDR Contact: 08/07/2017 Number of Days to Update: 85 Next Scheduled EDR Contact: 11/20/2017 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: 06/05/2017 Date Data Arrived at EDR: 06/07/2017 Date Made Active in Reports: 08/15/2017 Number of Days to Update: 69

Source: Hazardous Materials Management Division Telephone: 619-338-2268 Last EDR Contact: 09/06/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 01/04/2016 Number of Days to Update: 58

Source: Department of Health Services Telephone: 619-338-2209 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 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: 08/31/2017 Next Scheduled EDR Contact: 12/18/2017 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	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 08/07/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/03/2017	Source: Department of Public Health
Date Data Arrived at EDR: 05/08/2017	Telephone: 415-252-3920
Date Made Active in Reports: 08/25/2017	Last EDR Contact: 08/21/2017
Number of Days to Update: 109	Next Scheduled EDR Contact: 11/20/2017
	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: 10/03/2017 Date Data Arrived at EDR: 10/06/2017 Date Made Active in Reports: 10/10/2017 Number of Days to Update: 4

Source: Environmental Health Department Telephone: N/A Last EDR Contact: 08/28/2017 Next Scheduled EDR Contact: 01/01/2018 Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 08/18/2017 Date Data Arrived at EDR: 08/22/2017 Date Made Active in Reports: 10/25/2017 Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department Telephone: 805-781-5596 Last EDR Contact: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 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: 09/15/2017 Date Data Arrived at EDR: 09/19/2017 Date Made Active in Reports: 10/17/2017 Number of Days to Update: 28 Source: San Mateo County Environmental Health Services Division Telephone: 650-363-1921 Last EDR Contact: 09/07/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/15/2017Source: San Mateo County Environmental Health Services DivisionDate Data Arrived at EDR: 06/19/2017Telephone: 650-363-1921Date Made Active in Reports: 08/22/2017Last EDR Contact: 09/07/2017Number of Days to Update: 64Next Scheduled EDR Contact: 12/25/2017Data 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	Source: Santa Barbara County Public Health Department
Date Data Arrived at EDR: 09/09/2011	Telephone: 805-686-8167
Date Made Active in Reports: 10/07/2011	Last EDR Contact: 08/18/2017
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 08/07/2017 Date Data Arrived at EDR: 08/10/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 67

Source: Department of Environmental Health Telephone: 408-918-1973 Last EDR Contact: 08/07/2017 Next Scheduled EDR Contact: 12/04/2017 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: 08/24/2017 Next Scheduled EDR Contact: 12/11/2017 Data Release Frequency: Annually
Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/07/2017 Date Data Arrived at EDR: 08/15/2017 Date Made Active in Reports: 10/24/2017 Number of Days to Update: 70 Source: City of San Jose Fire Department Telephone: 408-535-7694 Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 05/23/2017 Number of Days to Update: 90 Source: Santa Cruz County Environmental Health Telephone: 831-464-2761 Last EDR Contact: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017 Date Data Arrived at EDR: 06/19/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 51 Source: Shasta County Department of Resource Management Telephone: 530-225-5789 Last EDR Contact: 08/21/2017 Next Scheduled EDR Contact: 12/04/2017 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: 06/15/2017 Date Data Arrived at EDR: 06/20/2017 Date Made Active in Reports: 08/22/2017 Number of Days to Update: 63 Source: Solano County Department of Environmental Management Telephone: 707-784-6770 Last EDR Contact: 09/25/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/15/2017 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 08/29/2017 Number of Days to Update: 69 Source: Solano County Department of Environmental Management Telephone: 707-784-6770 Last EDR Contact: 09/25/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List Cupa Facility list

	Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 06/27/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 43	Source: County of Sonoma Fire & Emergency Services Department Telephone: 707-565-1174 Last EDR Contact: 09/25/2017 Next Scheduled EDR Contact: 01/01/2018 Data Release Frequency: Varies		
Leak	Leaking Underground Storage Tank Sites A listing of leaking underground storage tank sites located in Sonoma county.			
	Date of Government Version: 07/05/2017 Date Data Arrived at EDR: 07/06/2017 Date Made Active in Reports: 08/22/2017 Number of Days to Update: 47	Source: Department of Health Services Telephone: 707-565-6565 Last EDR Contact: 09/25/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Quarterly		
STAI	NISLAUS COUNTY:			
CUP	A Facility List Cupa facility list			
	Date of Government Version: 08/17/2017 Date Data Arrived at EDR: 08/22/2017 Date Made Active in Reports: 10/25/2017 Number of Days to Update: 64	Source: Stanislaus County Department of Ennvironmental Protection Telephone: 209-525-6751 Last EDR Contact: 10/16/2017 Next Scheduled EDR Contact: 01/29/2018 Data Release Frequency: Varies		
SUT	TER COUNTY:			
Unde	erground Storage Tanks Underground storage tank sites located in Sutte	er county.		
	Date of Government Version: 06/02/2017 Date Data Arrived at EDR: 06/06/2017 Date Made Active in Reports: 08/25/2017 Number of Days to Update: 80	Source: Sutter County Department of Agriculture Telephone: 530-822-7500 Last EDR Contact: 08/31/2017 Next Scheduled EDR Contact: 12/18/2017 Data Release Frequency: Semi-Annually		
TEH.	AMA COUNTY:			
CUP	A Facility List Cupa facilities			
	Date of Government Version: 07/19/2017 Date Data Arrived at EDR: 08/11/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 66	Source: Tehama County Department of Environmental Health Telephone: 530-527-8020 Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Varies		
TRIN	IITY COUNTY:			
CUP	A Facility List Cupa facility list			
	Date of Government Version: 07/21/2017 Date Data Arrived at EDR: 07/25/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 83	Source: Department of Toxic Substances Control Telephone: 760-352-0381 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 Data Release Frequency: Varies		

TULARE COUNTY:

CUPA Facility List

Cupa program facilities

Date of Government Version: 09/27/2017 Date Data Arrived at EDR: 09/28/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 18 Source: Tulare County Environmental Health Services Division Telephone: 559-624-7400 Last EDR Contact: 09/22/2017 Next Scheduled EDR Contact: 11/20/2017 Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List Cupa facility list

Date of Government Version: 08/21/2017 Date Data Arrived at EDR: 08/22/2017 Date Made Active in Reports: 10/25/2017 Number of Days to Update: 64

Source: Divison of Environmental Health Telephone: 209-533-5633 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 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: 06/26/2017	Source: Ventu
Date Data Arrived at EDR: 08/03/2017	Telephone: 80
Date Made Active in Reports: 10/16/2017	Last EDR Con
Number of Days to Update: 74	Next Schedule

Source: Ventura County Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 10/23/2017 Next Scheduled EDR Contact: 02/05/2018 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	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 09/27/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/15/2018
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 08/10/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/27/2017
	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: 06/26/2017	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 08/03/2017	Telephone: 805-654-2813
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/05/2018
	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: 08/28/2017 Date Data Arrived at EDR: 09/12/2017 Date Made Active in Reports: 09/21/2017 Number of Days to Update: 9

Source: Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 09/12/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report Underground storage tank sites located in Yolo county.

Date of Government Version: 06/29/2017 Date Data Arrived at EDR: 07/05/2017 Date Made Active in Reports: 08/25/2017 Number of Days to Update: 51

Source: Yolo County Department of Health Telephone: 530-666-8646 Last EDR Contact: 09/27/2017 Next Scheduled EDR Contact: 01/15/2018 Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 07/31/2017 Date Data Arrived at EDR: 08/03/2017 Date Made Active in Reports: 10/16/2017 Number of Days to Update: 74

Source: Yuba County Environmental Health Department Telephone: 530-749-7523 Last EDR Contact: 10/25/2017 Next Scheduled EDR Contact: 02/12/2018 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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 08/18/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/11/2017 Date Made Active in Reports: 07/27/2017 Number of Days to Update: 107

pdate Planned Source: Department of Environmental Protection

Telephone: N/A Last EDR Contact: 10/05/2017 Next Scheduled EDR Contact: 01/22/2018 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: 07/31/2017 Date Data Arrived at EDR: 08/03/2017 Date Made Active in Reports: 10/12/2017 Number of Days to Update: 70

PA MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 07/25/2017 Date Made Active in Reports: 09/25/2017 Number of Days to Update: 62

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/19/2015 Date Made Active in Reports: 07/15/2015 Number of Days to Update: 26

WI MANIFEST: Manifest Information

Number of Days to Update: 92

Hazardous waste manifest information. Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/13/2017 Date Made Active in Reports: 07/14/2017 Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 08/03/2017 Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Quarterly

Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 10/16/2017 Next Scheduled EDR Contact: 01/29/2018 Data Release Frequency: Annually

Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 08/21/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Annually

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 09/11/2017 Next Scheduled EDR Contact: 12/25/2017 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes Source: National Institutes of Health Telephone: 301-594-6248 Information on Medicare and Medicaid certified nursing homes in the United States. **Public Schools** Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states. **Private Schools** Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on private school locations in the United States. **Daycare Centers: Licensed Facilities** Source: Department of Social Services Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Department of Fish & Game Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KAHLER RUSSELL PARK 735 NORTH GLENDORA AVENUE **COVINA, CA 91724**

TARGET PROPERTY COORDINATES

Latitude (North):	34.09248 - 34° 5' 32.93''
Longitude (West):	117.86821 - 117° 52' 5.56"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	419906.7
UTM Y (Meters):	3772555.5
Elevation:	640 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619080 SAN DIMAS, CA
Version Date:	2012
Southwest Map:	5619056 BALDWIN PARK, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- Groundwater flow direction, and
 Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW



SURROUNDING TOPOGRAPHY: ELEVATION PROFILES

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1725F	FEMA FIRM Flood data
Additional Panels in search area:	FEMA Source Type
06037C1700F	FEMA FIRM Flood data
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property SAN DIMAS	<u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:		
Search Radius:	1.25 miles	
Status:	Not found	

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Sequence

Era:	Cenozoic	Category:	Stratifed
System:	Quaternary	0,	
Series:	Quaternary		
Code:	Q (decoded above as Era, System &	Series)	

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

a hydric soil.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported
Hydric Status: Soil does not meet the	requirements for
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches

Depth to Bedrock Max: > 10 inches

	Soil Layer Information									
		Bou	ndary		Classification					
I	Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)		
	1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00		

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:	sandy loam gravelly - sandy loam silt loam clay fine sand gravelly - sand sand fine sandy loam
Surficial Soil Types:	sandy loam gravelly - sandy loam silt loam clay fine sand gravelly - sand sand fine sandy loam
Shallow Soil Types:	fine sandy loam gravelly - loam sandy clay sandy clay loam clay silty clay sand
Deeper Soil Types:	gravelly - sandy loam sandy loam very gravelly - sandy loam stratified very fine sandy loam weathered bedrock sand gravelly - fine sandy loam silty clay loam clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)		
Federal USGS	1.000		
Federal FRDS PWS	Nearest PWS within 0.001 miles		
State Database	1.000		

FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
A2	USGS40000140928	1/4 - 1/2 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADW60000005142	1/4 - 1/2 Mile WNW
3	1256	1/2 - 1 Mile South

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000305058	1/4 - 1/2 Mile North
2	CAOG11000205119	1/2 - 1 Mile SE
3	CAOG11000205097	1/2 - 1 Mile North



SITE NAME: K	Kahler Russell Park	CLIENT:	Tetra Tech Inc.
ADDRESS: 7	735 North Glendora Avenue	CONTACT:	Tanya Maclean
C	Covina CA 91724	INQUIRY #:	5091224.2s
LAT/LONG: 3	34.09248 / 117.86821	DATE:	October 30, 2017 2:13 pm
		Copyrig	ght © 2017 EDR, Inc. © 2015 TomTom Rel. 2015.

Map ID Direction Distance Elevation			Database	EDR ID Number
A1 WNW 1/4 - 1/2 Mile Lower			CA WELLS	CADW60000005142
Objectid: Latitude: Longitude: Site code: State well numbe: Local well name: Well use id: Well use descrip: County id: County name: Basin code: Basin code: Basin desc: Dwr region id: Dwr region: Site id:	5142 34.0939 -117.8727 340939N1178727W001 01S10W12R001S '02 (GRAND)' 7 Other 19 Los Angeles '4-13' San Gabriel Valley 80238 Southern Region Office CADW6000005142			
A2 WNW 1/4 - 1/2 Mile Lower			FED USGS	USGS40000140928
Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units: Vert accmeasure units: Vert accmeasure units: Vert accmeasure units: Vert collection method: Vert coord refsys: Aquifername: Formation type: Aquifer type: Construction date: Welldepth units:	USGS-CA USGS California Water Science O USGS-340537117521901 001S010W12R001S Well Not Reported 18070106 Not Reported Not Reported -117.8728391 1 Interpolated from map NAD83 Not Reported Not Reported	Center Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: Countrycode: Welldepth: Wellholedepth:	Not Reported Not Reported 34.0936202 24000 seconds Not Reported Not Reported US 515 515	

3 South 1/2 - 1 Mile Lower

CA WELLS 1256

Water System Information:

Prime Station Code:	01S/10W-12R01 S	User ID:	4TH
FRDS Number:	1910127003	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	340500.0 1175200.0	Precision:	Undefined
Source Name:	GRAND AVE. WELL - INACTIVE		
System Number:	1910127		
System Name:	COVINA-CITY, WATER DEPT.		
Organization That Ope	rates System:		
	534 N. BARRANCA		
	COVINA, CA 91723		
Pop Served:	43800	Connections:	8082
Area Served:	CITY OF COVINA		

Map ID
Direction
Distanca

Database EDR ID Number

Biotarioo			Dalabase	
1 North 1/4 - 1/2 Mile			OIL_GAS	CAOG11000305058
District nun:	1	Api number:	03705433	
Blm well:	Ň	Redrill can:	Not Reported	
Drvhole:	Y	Well status:	P	
Operator name:	Geo. Goodrum			
County name:	Los Angeles	Fieldname:	Any Field	
Area name:	Any Area	Section:	7	
Township:	01S	Range:	09W	
Base meridian:	SB	Elevation:	Not Reported	
Gissourcec:	hud			
Comments:	Not Reported			
Leasename:	Charter Oak	Wellnumber:	1	
Epawell:	N	Hvdraulica:	N	
Confidenti:	N	Spuddate:	Not Reported	
Welldeptha:	0			
Redrillfoo:	0			
Abandonedd:	Not Reported	Completion:	Not Reported	
Directiona:	Unknown	Gissymbol:	PDH	
Site id:	CAOG11000305058	2		
2 SE 1/2 - 1 Mile			OIL_GAS	CAOG11000205119
District nun:	1	Api number:	03706119	
Blm well:	Ň	Redrill can:	Not Reported	
Dryhole:	Y	Well status:	P	
Operator name:	Chevron U.S.A. Inc.		·	
County name:	Los Angeles	Fieldname:	Any Field	
Area name:	Any Area	Section:	18	
Township:	01S	Range:	09W	
Base meridian:	SB	Elevation:	Not Reported	
Gissourcec:	hud			
Comments:	Not Reported			
Leasename:	South Covina	Wellnumber:	5-1	
Epawell:	N	Hvdraulica:	N	
Confidenti:	N	Spuddate:	Not Reported	
Welldeptha:	0			
Redrillfoo:	0			
Abandonedd:	Not Reported	Completion:	Not Reported	

Gissymbol:

3 North 1/2 - 1 Mile

Directiona:

Site id:

Unknown

CAOG11000205119

OIL_GAS CAOG11000205097

PDH

District nun: Blm well: Dryhole: Operator name: County name: Area name: Township: Base meridian: Gissourcec: Comments: Leasename: Epawell: Confidenti: Welldeptha: Redrillfoo: Abandonedd: Directiona: Site id:

1 Ν Y Chevron U.S.A. Inc. Los Angeles Any Area 01S SB hud Not Reported Covina Ν Ν 0 0 Not Reported Unknown CAOG11000205097 Api number: Redrill can: Well status:

Fieldname: Section: Range: Elevation:

Wellnumber: Hydraulica: Spuddate:

Completion: Gissymbol: 03706071 Not Reported P

Any Field 7 09W Not Reported

27-1 N Not Reported

Not Reported PDH

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91724	15	1

Federal EPA Radon Zone for LOS ANGELES County: 2

```
Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.
```

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Department of Fish & Game Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database Source: Department of Water Resources Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations Source: Department of Conservation Telephone: 916-323-1779 Oil and Gas well locations in the state.

RADON

State Database: CA Radon Source: Department of Health Services Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C EDR HISTORICAL DOCUMENTATION

Kahler Russell Park

735 North Glendora Avenue Covina, CA 91724

Inquiry Number: 5091224.9 October 30, 2017

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

EDR Aerial Photo Decade Package

Site Name:

Client Name:

Kahler Russell Park 735 North Glendora Avenue Covina, CA 91724 EDR Inquiry # 5091224.9 Tetra Tech Inc. 17885 Von Karman Ave Irvine, CA 92614 Contact: Tanya Maclean



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search	Results:		
<u>Year</u>	<u>Scale</u>	<u>Details</u>	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: May 22, 2002	USDA
1995	1"=500'	Acquisition Date: October 03, 1995	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1989	1"=500'	Flight Date: August 03, 1989	USDA
1983	1"=500'	Flight Date: November 19, 1983	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: April 25, 1977	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 08, 1970	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: August 15, 1964	USGS
1953	1"=500'	Flight Date: February 01, 1953	USDA
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 06, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

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page 2

5091224 - 9

10/30/17

























INQUIRY #: 5091224.9

YEAR: 1964

9 = 500' **N**








Kahler Russell Park

735 North Glendora Avenue Covina, CA 91724

Inquiry Number: 5091224.5 October 30, 2017

The EDR-City Directory Abstract



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business. Please contact EDR at 1-800-352-0050 with any questions or comments.

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DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	Х	х	-
2010	EDR Digital Archive	-	х	Х	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	х	Х	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	Х	х	Х	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	Source Image
1990	PACIFIC BELL WHITE PAGES	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	х	х	-
1981	Pacific Telephone	-	х	х	-
1980	Pacific Telephone	-	х	Х	-
1976	Pacific Telephone	-	х	Х	-
1975	GTE	-	х	Х	-
	Pacific Telephone	-	х	Х	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	х	Х	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	х	Х	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	х	Х	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	х	х	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	х	Х	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	х	Х	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	Туре	<u>Findings</u>
611 North Grand Avenue	Client Entered	Х
645 North Grand Avenue	Client Entered	Х
632 North Grand Avenue	Client Entered	Х
817 North Glendora Avenue	Client Entered	Х
1242 East Edna Place	Client Entered	Х
1004 East Edna Place	Client Entered	Х
1150 East Edna Place	Client Entered	Х
1006 East Edna Place	Client Entered	Х
716 North Grand Avenue	Client Entered	Х
1066 East Edna Place	Client Entered	Х

TARGET PROPERTY INFORMATION

ADDRESS

735 North Glendora Avenue Covina, CA 91724

FINDINGS DETAIL

Target Property research detail.

<u>Glendora</u>

735 Glendora

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	KARE YOUTH LEAGUE	Pacific Bell
	Karekin Sona	Pacific Bell

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

CUMMINGS RD

1980

818 CUM	MINGS RD	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	RICKABAUGH PRECISION PRODUCTS CO	Pacific Telephone
DODSW	ORTH AVE	
620 DOD	SWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	MEAGHER RICHARD R	Pacific Telephone
708 DOD	SWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SEBRING CLAUDE M	Pacific Telephone
1960	SEBRING CLAUDE M	Pacific Telephone
1950	SEBRING CLAUDE M R	Pacific Telephone
710 DOD	SWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SELE LOUISE A	Pacific Telephone
1960	STEELE LOUISE A	Pacific Telephone
1950	STEELE LOUISE A R	Pacific Telephone
<u>E EDGE</u>	COMB ST	
1026 E E	DGECOMB ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	CUTRUZULA RALPH E EDGECOMB ST COVINA	Pacific Telephone
1029 E E	DGECOMB ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>

LIND DALE E EDGECOMB ST COVINA

Pacific Telephone

1036 E EDGECOMB ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	GATES JAS F E EDGECOMB ST COVINA	Pacific Telephone
1046 E EC	OGECOMB ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	REECE WM R E EDGECOMB ST COVINA	Pacific Telephone
1047 E EC	OGECOMB ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MORIZIO LAWRENCE E EDGECOMB ST COVINA	Pacific Telephone
1066 E EC	OGECOMB ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MORGAN FRANK E EDGECOMB ST COVINA	Pacific Telephone
1074 E EC	OGECOMB ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	GREEN LESLIE E EDGECOMB ST COVINA	Pacific Telephone
1084 E EC	OGECOMB ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	HAGAN NOEL C & REGINA L E EDGECOMB ST COVINA	Pacific Telephone
<u>E Edna P</u>	1	
1004 E Ed	ina Pi	
<u>Year</u>	<u>Uses</u>	<u>Source</u>

	<u></u>	<u></u>
2014	BITHELL INC	EDR Digital Archive
	BITHELL INC	EDR Digital Archive
2010	BITHELL INC	EDR Digital Archive
	BITHELL INC	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BITHELL Gordon	Haines & Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BITHELLINC	Haines & Company
	MERCURY PAINT CO	Haines & Company
	VITROCEMDIV	Haines & Company
1995	BITHEIL INC PAINT CONTR	Pacific Bell
	Vltrocem Divlslon Of Bithel I Inc	Pacific Bell
	Mercury Paint Co	Pacific Bell
	Bitheil Inc paint contr	Pacific Bell
	VLTROCEMDLVLSLON OF BITHELI INC	Pacific Bell
	MERCURY PAINT CO	Pacific Bell
1985	BITHELL INC PAINT CONTR	Pacific Bell
	MERCURY PAINT CO	Pacific Bell
	VITROCEM-DIVISION OF BITHELL INC	Pacific Bell
1980	VITROCEM-DIVISION OF BITHELL INC E EDNA PL COVINA	Pacific Telephone
	MERCURY PAINT CO E EDNA PL COVINA	Pacific Telephone
	BITHELL INC PAINT CONTR E EDNA PL COVINA	Pacific Telephone
1975	Bithell Inc paint contr	GTE
	BITHELL INC PAINT CONTR	Pacific Telephone
	MERCURY PAINT CO	Pacific Telephone
1966	CENTURY PAINT CO COVINA	Pacific Telephone
1960	HUTCHISON J N CO PAINTNG CONTRS	Pacific Telephone
	HUTCHISON J N CO PAINTNG CONTRS	Pacific Telephone

<u>E Edna Pl</u>

1006 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	WHITMAN & KURTH INC	EDR Digital Archive
	WHITMAN & KURTH INC	EDR Digital Archive
2010	WHITMAN & KURTH INC	EDR Digital Archive
	WHITMAN & KURTH INC	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	WESTERN METER EXCHANGE	Pacific Bell

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Western Meter Exchange	Pacific Bell
1960	FABRICARE CARPET & UPHOLSTERY CLEANERS	Pacific Telephone
	FABRICARE CARPET & UPHOLSTERY CLEANERS	Pacific Telephone
1007 E EDNA PL		

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1975	ACCENT DRAPERY FABRICATORS	Pacific Telephone
1966	ACCENT DRAPERY FABRICATORS	Pacific Telephone

<u>E Edna Pl</u>

1011 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PINOY WEEKLY PUBLISHING	EDR Digital Archive
	PINOY WEEKLY PUBLISHING	EDR Digital Archive
2010	ATLAS SHIPPERS INTERNATIONAL	EDR Digital Archive
	ATLAS SHIPPERS INTERNATIONAL	EDR Digital Archive

<u>E EDNA PL</u>

1011 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ATLASSHIPPERS	Haines & Company
	INTERNATIONAL	Haines & Company

<u>E Edna Pl</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BOATS OF AMERICA	EDR Digital Archive
	BOATS OF AMERICA	EDR Digital Archive
2010	BOATS OF AMERICA	EDR Digital Archive
	BUCHANAN COMPANY INC	EDR Digital Archive
	BOATS OF AMERICA	EDR Digital Archive
	BUCHANAN COMPANY INC	EDR Digital Archive

<u>E EDNA PL</u>

1016 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BUCHANAN CO INC	Haines & Company
1995	i Candy Factory	Pacific Bell
1985	SAN GABRIEL VALLEY GRAPHICS	Pacific Bell
	SGV GRAPHICS	Pacific Bell
	SAN GABRIEL VALLEY PRINTERS INC COVINA	Pacific Bell
	MIJEN ENTERPRISES COVINA	Pacific Bell
1981	SAN GABRIEL VALLEY PRINTERS COVINA	Pacific Telephone
1980	SAN GABRIEL VALLEY PRINTERS INC E EDNA PL COVINA	Pacific Telephone
	SGV GRAPHICS E EDNA PL COVINA	Pacific Telephone
1975	SAN GABRIEL VALLEY PRINTERS INC	Pacific Telephone
1971	SAN GABRIEL VALLEY PRINTERS	Pacific Telephone
1966	SAN GABRIEL VALLEY PRINTERS INC	Pacific Telephone

1028 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1980	SAMSON MOLDS INC E EDNA PL COVINA	Pacific Telephone
1975	SAMSON MOLDS INC	Pacific Telephone
1966	SAMSON ELECTRONIC TOOLING INC	Pacific Telephone
	SAMSON MOLDS INC	Pacific Telephone

<u>E Edna Pl</u>

1032 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GENERATION FOODS	EDR Digital Archive
	GENERATION FOODS	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	CAN YOU IMAGINE	Haines & Company
	THATCNFCTNS GENERATION FOODS	Haines & Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	HOW CAN IT BE SO SOUR CO	Pacific Bell
	SHERMAN S CONFECTIONS	Pacific Bell
	How Canlt Be So Sour	Pacific Bell
	How Can It Be So Sour Co	Pacific Bell
	Shermans Confections	Pacific Bell
	Shermer Anthony	Pacific Bell
1042 E EDNA PL		
Year	11505	Source

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	COMPACT KITCHENS INC	Pacific Telephone

<u>E Edna Pl</u>

1044 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	VILLAR CORPORATION	EDR Digital Archive
	V CORPORATION MULTIMEDIA	EDR Digital Archive
	V CORPORATION MULTIMEDIA	EDR Digital Archive
	VILLAR CORPORATION	EDR Digital Archive

<u>E EDNA PL</u>

1044 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	VILLAR CORP	Haines & Company
	VCORP	Haines & Company
1985	MAGOR MOLD CO	Pacific Bell
1980	MAGOR MOLD CO E EDNA PL COVINA	Pacific Telephone
1975	MAGOR MOLD CO	Pacific Telephone
1966	PACKAGING DYNAMICS INC	Pacific Telephone
	DELL-LEE CO	Pacific Telephone

<u>E Edna Pl</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	JACK SERA KUNG FU SAN SOO	EDR Digital Archive
	JACK SERA KUNG FU SAN SOO	EDR Digital Archive
2010	WESCO SECURITY SYSTEMS INC	EDR Digital Archive
	WESCO SECURITY SYSTEMS INC	EDR Digital Archive

<u>E EDNA PL</u>

1053 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	SIR SPEEDY PRINTING	Pacific Bell
1985	ALL-PACK-CO	Pacific Bell
1980	ALL PACK CO E EDNA PL COVINA	Pacific Telephone
1975	ALL-PACK-CO	Pacific Telephone

<u>E Edna Pl</u>

1056 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	J MARK	EDR Digital Archive
	J MARK	EDR Digital Archive
2010	J MARK	EDR Digital Archive
	J MARK	EDR Digital Archive

<u>E EDNA PL</u>

1056 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HAWKINS Mihael	Haines & Company
	LIVE WIREELECTRIC	Haines & Company
1985	SHORT RUN SWISS INC MACH SHOPS	Pacific Bell
1981	ALL-PACK CO CAVINO	Pacific Telephone
1980	SHORTRUN SWISS INC MACH SHOPS E EDNA PL COVINA	Pacific Telephone
1975	SHORT RUN SWISS INC MACH SHOPS	Pacific Telephone
	SHORT RUN SWISS INC MACH SHOPS	Pacific Telephone
1966	T L S INC	Pacific Telephone

<u>E Edna Pl</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HAWKINS MICHAEL	EDR Digital Archive
	HAWKINS MICHAEL	EDR Digital Archive
2010	HAWKINS MICHAEL	EDR Digital Archive
	HAWKINS MICHAEL	EDR Digital Archive

<u>E EDNA PL</u>

1058 E EDNA PL

<u>Uses</u>	<u>Source</u>
COMMERCIAL SERV	Haines & Company
HAWK INDUSTRY	Haines & Company
NOVAELEVATORS	Pacific Bell
FILAMENT REHEARSAL STUDIO E EDNA PL COVINA	Pacific Telephone
RACE CAR ENTERPRISES	Pacific Telephone
RACE CAR ENTERPRISES	Pacific Telephone
	Uses COMMERCIAL SERV HAWK INDUSTRY NOVAELEVATORS FILAMENT REHEARSAL STUDIO E EDNA PL COVINA RACE CAR ENTERPRISES RACE CAR ENTERPRISES

1059 E EDNA PL

<u>Year</u>	<u>Uses</u>	Source
2003	XXXX	Haines & Company

<u>E Edna Pl</u>

1064 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BILLS HOT ROD CO	EDR Digital Archive
	BILLS HOT ROD CO	EDR Digital Archive
2010	BILLS HOT ROD CO	EDR Digital Archive
	BILLS HOT ROD CO	EDR Digital Archive

<u>E EDNA PL</u>

1064 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BILLSHOTRODCO	Haines & Company
1995	BILL S HOT ROD COMPANY	Pacific Bell
	Bills Hot Rod Company	Pacific Bell

<u>E Edna Pl</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	COLOR MASTERS PAINTING INC	EDR Digital Archive
	COLOR MASTERS PAINTING INC	EDR Digital Archive
2010	AMERICAL BUILDERS	EDR Digital Archive
	ADVANCED ENGRG & MANUFACTU	EDR Digital Archive

<u>Year</u> <u>Uses</u> 2010 ANDERSON IR WORKS FABRICATION ANDERSON IR WORKS FABRICATION ADVANCED ENGRG & MANUFACTU AMERICAL BUILDERS

E EDNA PL

1065 E EDNA PL

<u>Uses</u>	<u>Source</u>
FABRICATION	Haines & Company
ANDERSON IRON	Haines & Company
HAWK INDUSTRY COMMERCIAL SERVICES	Pacific Bell
EXCEL ELECTRIC	Pacific Bell
	Uses FABRICATION ANDERSON IRON HAWK INDUSTRY COMMERCIAL SERVICES EXCEL ELECTRIC

<u>E Edna Pl</u>

1066 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MUSULMAN ROOFING INC	EDR Digital Archive
	MUSULMAN ROOFING INC	EDR Digital Archive
2010	MUSULMAN ROOFING INC	EDR Digital Archive
	MUSULMAN ROOFING INC	EDR Digital Archive

E EDNA PL

1066 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MUSULMAN Afred	Haines & Company
1995	MUSULMAN ROOFING	Pacific Bell
	MUSULMAN ROOFING CO INC COVINA	Pacific Bell
	Musulman Roofing	Pacific Bell
	r Fromtrcadia Cat!	Pacific Bell
	Musulman Roofing Co Inc	Pacific Bell
1975	H & N MINI-CRAFT INC MODEL MAKNG	Pacific Telephone
1966	H & N MINICRAFT INC MODL MAKING	Pacific Telephone

<u>Source</u>

EDR Digital Archive EDR Digital Archive EDR Digital Archive EDR Digital Archive

<u>E Edna Pl</u>

1067 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ADVANCED ENGRG & MANUFACTU	EDR Digital Archive
	ADVANCED ENGRG & MANUFACTU	EDR Digital Archive
1069 E E	dna Pl	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TIN FROGS	EDR Digital Archive

2014	TIN FROGS	EDR Digital Archive
	TIN FROGS	EDR Digital Archive
2010	TIN FROGS	EDR Digital Archive
	TIN FROGS	EDR Digital Archive

<u>E EDNA PL</u>

1077 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	KANDIDLITHO	Pacific Bell
	Kandid Litho	Pacific Bell
1985	JEAROD WIRE CO	Pacific Bell
	SOLDER REMOVAL CO	Pacific Bell
1980	SOLDER REMOVAL CO E EDNA PL COVINA	Pacific Telephone
	JEAROD WIRE CO E EDNA PL COVINA	Pacific Telephone
1975	SOLDER REMOVAL CO	Pacific Telephone
	Solder Removal Co	GTE
1966	PELTON PRINTING	Pacific Telephone

<u>E Edna Pl</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	KEN DUNCAN CO	EDR Digital Archive
	KEN DUNCAN CO	EDR Digital Archive
2010	KEN DUNCAN CO	EDR Digital Archive
	KEN DUNCAN CO	EDR Digital Archive

<u>Source</u>

Pacific Bell Pacific Bell

Haines & Company

Pacific Telephone Pacific Telephone

<u>E EDNA PL</u>

1078 E EDNA PL

<u>Year</u>	<u>Uses</u>
2003	A&MWOODCARVING
1995	A & M Wood Carving
1985	TIFFANY PLASTICS INC
1975	D MACHINE WORKS
1966	DIGITAL SYSTEMS

1079 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	NORAM CORP	Haines & Company
	NORAM CORP	Haines & Company
1995	Noram Corp	Pacific Bell

1080 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	TIMMONS & CO	Pacific Telephone

<u>E Edna Pl</u>

1082 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	COVINA ACCESSORIES LLC	EDR Digital Archive
	COVINA ACCESSORIES LLC	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	DICON PLASTICS INC	Pacific Bell
1980	DICON PRODUCTS INC E EDNA PL COVINA	Pacific Telephone
1975	DICON PRODUCTS INC	Pacific Telephone

1083 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1966	HANLEY MACH CO	Pacific Telephone

<u>E Edna Pl</u>

1106 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MARTIN ARCE PROPERTIES INC	EDR Digital Archive
	MARTIN ARCE PROPERTIES INC	EDR Digital Archive

<u>E EDNA PL</u>

1106 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ARCE PROPERTIES	Haines & Company
1985	JENSEN MACHINING	Pacific Bell
1980	MEKEL ENGINEERING E EDNA PL COVINA	Pacific Telephone
1975	MEKEL ENGINEERING	Pacific Telephone
1966	COVINA BINDERY & MAILING SERV INC	Pacific Telephone

<u>E Edna Pl</u>

1108 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ACTI CAMERAS INC	EDR Digital Archive
	ACTI CAMERAS INC	EDR Digital Archive
2010	ACTI CAMERAS INC	EDR Digital Archive
	ACTI CAMERAS INC	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	STREET PRINTWORKS	Pacific Bell
	Street Printworks	Pacific Bell
1985	DICON PRODUCTS INC	Pacific Bell
1975	A & B LUMINOUS CEILINGS INC	Pacific Telephone

<u>Year Uses</u>

1966 RICKABAUGH PRECISION PRODUCTS CO <u>Source</u>

Pacific Telephone

<u>E Edna Pl</u>

1110 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	B S K ENTERPRISES INC	EDR Digital Archive
	B S K ENTERPRISES INC	EDR Digital Archive
2010	MCCLUNG PRECISION PRODUCTS	EDR Digital Archive
	MCCLUNG PRECISION PRODUCTS	EDR Digital Archive

<u>E EDNA PL</u>

1110 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	A MCCLUNG PRCSN	Haines & Company
	PRODS	Haines & Company
1966	AD SERVICE	Pacific Telephone
	TYPE SERVICE TYPSTNG	Pacific Telephone

<u>E Edna Pl</u>

1112 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MILCO PRECISION MACHINES	EDR Digital Archive
	MILCO PRECISION MACHINES	EDR Digital Archive
2010	MILCO PRECISION MACHINES	EDR Digital Archive
	PICKS PRECISION	EDR Digital Archive
	MILCO PRECISION MACHINES	EDR Digital Archive
	PICKS PRECISION	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MILCOPRECISNMACH	Haines & Company
1995	MILCO PRECISION MACHINING	Pacific Bell
	Milco Precision Machining	Pacific Bell
	BM jde Joe C	Pacific Bell
	Mild M	Pacific Bell

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	MILCO PRECISION MACHINING	Pacific Bell
	BARKMAN SPECIALTIES	Pacific Bell
1980	MILCO PRECISION MACHINING E EDNA PL COVINA	Pacific Telephone
1975	MICRO MODELS	Pacific Telephone
	MILCO PRECISION MACHINING	Pacific Telephone
1966	COVINA THOMAS CO THE MACH MTL CUTNG COVINA	Pacific Telephone
	COVINA TIRE	Pacific Telephone

<u>E Edna Pl</u>

1114 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HI TEMP FORMING CO	EDR Digital Archive
	HI TEMP FORMING CO	EDR Digital Archive
2010	HI TEMP FORMING CO	EDR Digital Archive
	HI TEMP FORMING CO	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	A D A G ENGINEERS	Haines & Company
	ENGINEERING VENDING SERVICES	Haines & Company
	TRUCKING GLOCK PRECISION	Haines & Company
	FREIGHTRITE	Haines & Company
1995	J W S Communications	Pacific Bell
	DAG Enterprises W Cov	Pacific Bell
	DAG Engineers	Pacific Bell
	J W S COMMUNICATIONS	Pacific Bell
1985	TARGET MOLDS COVINA	Pacific Bell
1980	CAL-WELD E EDNA PL COVINA	Pacific Telephone
1975	MOLD FINISHING SPECIALTIES	Pacific Telephone
	CAL-WELD	Pacific Telephone
1966	FAIN E D MACH	Pacific Telephone

<u>E Edna Pl</u>

1116 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LAMA CO	EDR Digital Archive
	LAMA CO	EDR Digital Archive
	ARCE LEE DEVLOPMENT CO	EDR Digital Archive
	RLO HOLDING	EDR Digital Archive
	RLO HOLDING	EDR Digital Archive
	ARCE LEE DEVLOPMENT CO	EDR Digital Archive
2010	ARCE LEE DEVLOPMENT CO	EDR Digital Archive
	ARCE LEE DEVLOPMENT CO	EDR Digital Archive
	LAMA CO	EDR Digital Archive
	LAMA CO	EDR Digital Archive

<u>E EDNA PL</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	DEVELOPMENT CO	Haines & Company
	LEEARCE	Haines & Company
1995	Arce C	Pacific Bell
	Arce Bros Industrial Developer	Pacific Bell
	ARCE BROS INDUSTRIAL DEVELOPER	Pacific Bell
	Lama Corlest	Pacific Bell
1985	LAMA CO RL EST	Pacific Bell
	ARCE BROS INDUSTRIAL DEVELOPER	Pacific Bell
1980	LAMA CO RL EST E EDNA PL COVINA	Pacific Telephone
	ARCE BROS INDUSTRIAL DEVELOPER E EDNA PL COVINA	Pacific Telephone
1975	LAMA CO REAL EST	Pacific Telephone
	ARCE BROS INDUSTRIAL DEVELOPER	Pacific Telephone
1966	LAMA CO RL EST	Pacific Telephone
	ARCE BROS INDUSTRIAL DEVELOPER	Pacific Telephone
1960	ARCE BROS GENERAL CONTRS	Pacific Telephone
	ARCE BROS GENERAL CONTRS	Pacific Telephone

<u>E Edna Pl</u>

1138 E Edna Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	INNERSPACE CORPORATION	EDR Digital
	INNERSPACE CORPORATION	EDR Digital
2010	INNERSPACE CORP	EDR Digital
	INNERSPACE CORP	EDR Digital

<u>E EDNA PL</u>

1138 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	INNERSPACE	Haines & Company
1995	INNERSPACE	Pacific Bell
	Innerspace	Pacific Bell
1985	INNERSPACE	Pacific Bell
1980	DIROMA COATS INC E EDNA PL COVINA	Pacific Telephone
1975	DIROMA COATS INC	Pacific Telephone
	DIROMA COATS INC	Pacific Telephone
1966	JOANNA OF CALIF INC	Pacific Telephone
1960	MARINO & SON INC	Pacific Telephone

1148 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>So</u>
2003	XXXX	Hai
1960	NOLDER NATALIE DRSES	Pac

1150 E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	STABILE PLATING COMPANY INC	EDR Digita
2010	STABILE PLATING COMPANY INC	EDR Digita
2003	XXXX	Haines & C
1995	STABILE PLATING CO INC	Pacific Bell
	Stabile Plating Co Inc	Pacific Bell
1985	STABILE PLATING CO INC	Pacific Bell
1980	STABILE PLATING CO E EDNA PL COVINA	Pacific Tele
	STABILE PLATING CO E EDNA PL COVINA	Pacific Tele
1975	STABILE PLATING CO	Pacific Tele

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<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	STABILE PLATING CO	Pacific Telephone
1966	STABILE PLATING CO	Pacific Telephone
	STABILE PLATING CO	Pacific Telephone
1242 E EI	DNA PL	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	EDNA LLC	EDR Digital Archive
1006A E E	EDNA PL	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	COMPACT KITCHENS	Pacific Bell
	FLOTA-AIRE INC	Pacific Bell
1980	COMPACT KITCHENS E EDNA PL COVINA	Pacific Telephone
	FLOT AIRE INC FIRST SUPLS E EDNA PL COVINA	Pacific Telephone
1975	FLOT AIRE INC FIRST SUPLS	Pacific Telephone
1960	ADMORE NEON INC	Pacific Telephone
1006C E I	EDNA PL	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	COVINA ELECTRIC INC	Pacific Telephone
1110A E E	EDNA PL	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	MCCLUNG PRECISION PRODUCTS	Pacific Bell
	MCCLUNG PRECISION PRODUCTS COVINA	Pacific Bell
1985	MCCLUNG PRECISION PRODUCTS	Pacific Bell
	MCCLUNG PRECISON PRODUCTS	Pacific Bell
1980	MCCLUNG PRECISION PRODUCTS E EDNA PL COVINA	Pacific Telephone
	MCCLUNG PRECISION PRODUCTS E EDNA PL COVINA	Pacific Telephone
1975	EISENHAUER LABS	Pacific Telephone
1110C E	EDNA PL	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	POORT MACHINE	Pacific Bell
1985	POORT MACHINE	Pacific Bell

1980GRAY WILSON E EDNA PL COVINA1975GRAY WILSON

Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone

<u>Source</u>

1114A E EDNA PL		
<u>Year</u>	<u>Uses</u>	
1995	DAG ENG	

1975

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1114B E EDNA PL Voar lisos

<u>rear</u>	<u>Uses</u>
1966	A & M MACH TOOL MAINTENANEE

1114C E EDNA PL

<u>Uses</u>	<u>Source</u>
E D M SPECIALTIES INC	Pacific Telephon
E D M SPECIALTIES INC	Pacific Telephon
	<u>Uses</u> E D M SPECIALTIES INC E D M SPECIALTIES INC

1148B E EDNA PL

<u>Year</u>	<u>Uses</u>	Source
1960	PARKER DISTRIBUTING CO COVINA	Pacific

1150A E EDNA PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	STABILE PLATING	Pacific Telephor

E WINGATE ST

1004 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LEGIND Sh Irley	Haines & Compa
1966	GEIGER HOWARD A	Pacific Telephone
1960	GEIGER HOWARD A	Pacific Telephone

1005 E WINGATE ST

<u>Year</u>	<u>Uses</u>
1966	LAW CLARYCE

1012 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	NAYLOR Rob I R Jr	Haines &
1985	NAYLOR ROBT R JR	Pacific Be
1980	GERLACH SUSAN E WINGATE ST COVINA	Pacific Te
	NAYLOR ROBT R JR E WINGATE ST COVINA	Pacific Te

Pacific Bell Pacific Telephone

<u>Source</u> Pacific Telephone

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<u>Source</u> Pacific Telephone

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<u>Year</u>	<u>Uses</u>
1975	NAYLOR ROBT R JR
1966	MEISEL D G
	GERLACH MARJORIE A
1960	THACKER BEN C

E Wingate St

1017 E Wingate St

<u>Source</u>

Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	NAVARRO RUBEN	EDR Digital Archive
	NAVARRO RUBEN	EDR Digital Archive
2010	NAVARRO RUBEN	EDR Digital Archive
	NAVARRO RUBEN	EDR Digital Archive

E WINGATE ST

1017 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	JOHNSON Bruce	Haines & Company
	NAVARRO Carol	Haines & Company
1975	WARNSTROM OSCAR	Pacific Telephone
1957	DANLEY FLNIS W	Pacific Telephone

1019 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OTAPIAJessie	Haines & Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	TANUMA Etsuko	Haines & Company
	LONG William	Haines & Company
1980	CHEROSKE STEVEN E WINGATE ST COVINA	Pacific Telephone
1975	DRYLIE CHAS A	Pacific Telephone
	MERGAERT ROBT A	Pacific Telephone
1957	ROSE REUBEN J	Pacific Telephone
	CONKLIN CLIFFORD C	Pacific Telephone

E Wingate St

1022 E Wingate St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	S & L GRINDING	EDR Digital Archive
	S & L GRINDING	EDR Digital Archive
2010	S & L GRINDING	EDR Digital Archive
	S & L GRINDING	EDR Digital Archive

E WINGATE ST

1022 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	TULLIS Phillip P Jr	Haines & Company
1985	TULLIS PHILLIP P JR	Pacific Bell
1980	REED DAVID F & MARY E WINGATE ST COVINA	Pacific Telephone
1966	RAUSCH JAS M	Pacific Telephone
1960	BROWN LARRY E	Pacific Telephone
1957	SENNETT PHILOMENA	Pacific Telephone

1029 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LONG William	Haines & Company
1975	LONG WM F	Pacific Telephone

1032 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ELLIOTT Dennis	Haines & Company
1975	ELLIOTT DENNIS	Pacific Telephone
1966	HARLOW HARRY W JR	Pacific Telephone
1960	HARLOW HARRY W JR	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MONROE Patti	Haines & Company
1985	MONROE BARRY & PATTI	Pacific Bell
1980	LELIEVRE ARGYLE E WINGATE ST COVINA	Pacific Telephone
1975	LELIEVRE ARGYLE COVINA	Pacific Telephone
1960	GILBERT WM H EL MONTE	Pacific Telephone

1042 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	TIMBERMAN John	Haines & Company
1975	BUFORD W E	Pacific Telephone
1966	GANN RALPH D	Pacific Telephone
1960	GANN RALPH D	Pacific Telephone

1052 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MOLINA Robert	Haines & Company
1985	WHITE ALVIN H	Pacific Bell
1980	WHITE ALVIN H E WINGATE ST COVINA	Pacific Telephone
1975	WHITE ALVIN H	Pacific Telephone
1966	WHITE ALVIN H	Pacific Telephone
1960	WHITE ALVIN H	Pacific Telephone

1060 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	DE TULLIO JOHN H E WINGATE ST COVINA	Pacific Telephone
1975	DE TUILIO JOHN H	Pacific Telephone
1966	DE TULLIO JOHN H	Pacific Telephone
1960	DE TULLIO JOHN H	Pacific Telephone

E Wingate St

1070 E Wingate St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	GARCIA TRAVEL	EDR Digital Archive
	GARCIA TRAVEL	EDR Digital Archive

E WINGATE ST

1070 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OWESTGary	Haines & Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OWEN Mirriam	Haines & Company
1960	JENSEN A R	Pacific Telephone

E Wingate St

1101 E Wingate St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HPR ENTERPRISES A CAL LTD PA	EDR Digital Archive
	HPR ENTERPRISES A CAL LTD PA	EDR Digital Archive
2010	HPR ENTERPRISES A CAL LTD PA	EDR Digital Archive
	HPR ENTERPRISES A CAL LTD PA	EDR Digital Archive

E WINGATE ST

1101 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	CORDOVA Lannis	Haines & Company
1985	HANLEY ROBIN	Pacific Bell
1980	ROSE WM E WINGATE ST COVINA	Pacific Telephone
1975	ROSE WM	Pacific Telephone
1966	ROSE WM	Pacific Telephone
1960	ROSE WM	Pacific Telephone
1957	ROSE WM	Pacific Telephone

E Wingate St

1107 E Wingate St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	IM FRITZ INCORPORATED	EDR Digital Archive
	IM FRITZ INCORPORATED	EDR Digital Archive

E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	THOMASGeo T	Haines & Company
	THOMAS Marth	Haines & Company
1985	THOMAS GEO T & MARTHA	Pacific Bell
1966	KNUTSON MARTHA	Pacific Telephone

E Wingate St

1117 E Wingate St

<u>Year</u>	<u>Uses</u>
2014	SHAWCO CONSTRUCTION CORP
	SHAWCO CONSTRUCTION CORP

E WINGATE ST

1117 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SHAWCharles	Haines & Company
1975	HURLBERT E H	Pacific Telephone
1966	HURLBERT E H	Pacific Telephone
1960	HURLBERT E H	Pacific Telephone

1127 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	TORRESB	Haines & Company
1985	CLARK MELVIN E & DARLA	Pacific Bell
1980	CLARK MELVIN E & DARIA E WINGATE ST COVINA	Pacific Telephone
1975	CLARK M E	Pacific Telephone
1966	HAYNES CHAS L	Pacific Telephone
1960	PEASE DONALD R	Pacific Telephone

1137 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BARRISVictor	Haines & Company
1985	WAINSCOTT JAS	Pacific Bell
1980	VANDER BRUGGEN JACK D E WINGATE ST COVINA	Pacific Telephone
1966	BRISSON CAMILLE MRS	Pacific Telephone
1960	GEMBERLING MELVIN I	Pacific Telephone

1147 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	WILLIAMS Harold	Haines & Company
1985	WILLIAMS HAROLD	Pacific Bell
1980	WILLIAMS HAROLD E WINGATE ST COVINA	Pacific Telephone
1975	WILLIAMS HAROLD	Pacific Telephone

<u>Source</u>

EDR Digital Archive EDR Digital Archive

Haines & Company
Pacific Bell
Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	RIEHL LE ROY C	Pacific Telephone
1960	RIEHL LEROY C	Pacific Telephone
1157 E WINGATE ST		

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1985	SMITH CHAS H MRS	Pacific Bell
1980	SMITH CHAS H MRS E WINGATE ST COVINA	Pacific Telephone
1975	GRIFFIN BERT J	Pacific Telephone

1165 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BALDACCI Peter	Haines & Company
1966	BRAUN VARUE	Pacific Telephone
1960	BRAUN JOHN A	Pacific Telephone

E Wingate St

1175 E Wingate St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	YU CHENG - CHING	EDR Digital Archive
	YU CHENG - CHING	EDR Digital Archive

E WINGATE ST

1175 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	YUCheng	Haines & Company
1985	AYRISS ROBT	Pacific Bell
1980	AYRISS ROBT E WINGATE ST COVINA	Pacific Telephone
1975	AYRISS ROBT	Pacific Telephone
1966	AYRISS ROBT	Pacific Telephone
1960	AYRISS ROBT	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	FRANKS Lawrence	Haines & Company
1980	MEURER BETTINA E WINGATE ST COVINA	Pacific Telephone
1960	PAYNE DANL C	Pacific Telephone

1203 E WINGATE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	CARLSON CLARENCE SWEDE	Pacific Bell
1975	CARLSON CLARENCE SWEDE	Pacific Telephone
1021L E WINGATE ST		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	DRYITE CHAS A	Pacific Telephone

East Edna Place

1004 East Edna Place

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BITHELL Gordon	Haines & Company
	BITHELLINC	Haines & Company
	MERCURY PAINT CO	Haines & Company
	VITROCEMDIV	Haines & Company
1995	BITHEIL INC PAINT CONTR	Pacific Bell
	VLTROCEMDLVLSLON OF BITHELI INC	Pacific Bell
	MERCURY PAINT CO	Pacific Bell
	Bitheil Inc paint contr	Pacific Bell
	Vltrocem Divlslon Of Bithel I Inc	Pacific Bell
	Mercury Paint Co	Pacific Bell
1985	BITHELL INC PAINT CONTR	Pacific Bell
	VITROCEM-DIVISION OF BITHELL INC	Pacific Bell
	MERCURY PAINT CO	Pacific Bell
1980	BITHELL INC PAINT CONTR E EDNA PL COVINA	Pacific Telephone
	MERCURY PAINT CO E EDNA PL COVINA	Pacific Telephone
	VITROCEM-DIVISION OF BITHELL INC E EDNA PL COVINA	Pacific Telephone
1975	Bithell Inc paint contr	GTE
	BITHELL INC PAINT CONTR	Pacific Telephone
	MERCURY PAINT CO	Pacific Telephone
1966	CENTURY PAINT CO COVINA	Pacific Telephone
1960	HUTCHISON J N CO PAINTNG CONTRS	Pacific Telephone
	HUTCHISON J N CO PAINTNG CONTRS	Pacific Telephone
1006 East Edna Place

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	WESTERN METER EXCHANGE	Pacific Bell
	Western Meter Exchange	Pacific Bell
1960	FABRICARE CARPET & UPHOLSTERY CLEANERS	Pacific Telephone
	FABRICARE CARPET & UPHOLSTERY CLEANERS	Pacific Telephone

1066 East Edna Place

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MUSULMAN Afred	Haines & Company
1995	MUSULMAN ROOFING	Pacific Bell
	Musulman Roofing	Pacific Bell
	Musulman Roofing Co Inc	Pacific Bell
	r Fromtrcadia Cat!	Pacific Bell
	MUSULMAN ROOFING CO INC COVINA	Pacific Bell
1975	H & N MINI-CRAFT INC MODEL MAKNG	Pacific Telephone
1966	H & N MINICRAFT INC MODL MAKING	Pacific Telephone

1150 East Edna Place

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	Stabile Plating Co Inc	Pacific Bell
	STABILE PLATING CO INC	Pacific Bell
1985	STABILE PLATING CO INC	Pacific Bell
1980	STABILE PLATING CO E EDNA PL COVINA	Pacific Telephone
	STABILE PLATING CO E EDNA PL COVINA	Pacific Telephone
1975	STABILE PLATING CO	Pacific Telephone
	STABILE PLATING CO	Pacific Telephone
1966	STABILE PLATING CO	Pacific Telephone
	STABILE PLATING CO	Pacific Telephone

1242 East Edna Place

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SIMSONGIFTWARE	Haines & Company
1995	SLMSON GINTWARE	Pacific Bell
	SImson Gintware	Pacific Bell
	Simth Sharon&Mike IH I	Pacific Bell

Source Pacific Bell

Pacific Telephone Pacific Telephone Pacific Telephone

<u>Year</u>	<u>Uses</u>
1985	PERLUX INC
1980	PERLUX INC E EDNA PL COVINA
1975	GEORGE IMPORTS COVINA
	GOOD & CO

N Cummings Rd

800 N Cummings Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LAHAR POOL LLC	EDR Digital Archive
	LAHAR POOL LLC	EDR Digital Archive
2010	LAHAR POOL LLC	EDR Digital Archive
	LAHAR POOL LLC	EDR Digital Archive

N CUMMINGS RD

800 N CUMMINGS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ARROW DISTRIBUTING	Haines & Company
1975	MC GEE & SONS VENDING COVINA	Pacific Telephone
	Mc Gee & Sons Vending	GTE
1966	ALUMINUM HOME PRODUCTS	Pacific Telephone

810 N CUMMINGS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	i Dynatek	Pacific Bell

N Cummings Rd

813 N Cummings Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CACO-PACIFIC CORPORATION	EDR Digital Archive
	CACO TECHNOLOGIES INC	EDR Digital Archive
	CACO-PACIFIC CORPORATION	EDR Digital Archive
	CACO TECHNOLOGIES INC	EDR Digital Archive
2010	CACO TECHNOLOGIES INC	EDR Digital Archive
	CACO-PACIFIC CORPORATION	EDR Digital Archive
	CACO TECHNOLOGIES INC	EDR Digital Archive
	CACO-PACIFIC CORPORATION	EDR Digital Archive

N CUMMINGS RD

813 N CUMMINGS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	CACO PACIFIC CORP	Haines & Company
1995	Caco Pacific Corp	Pacific Bell
1966	CACOPACIFIC DIV AMERACE CORP	Pacific Telephone
818 N CUMMINGS RD		

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	FYZWELDING	Haines & Company
	SERVICES	Haines & Company
1966	TECHNOLOGY MOLDS	Pacific Telephone

820 N CUMMINGS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company

N DODSWORTH AVE

604 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	:CARRILLO Salvador	Haines & Company
1985	LUND ARNOLD D & CELESTE B	Pacific Bell
1980	LUND ARNOLD D & CELESTE B N DODSWORTH AVE COVINA	Pacific Telephone
1966	RIAL FRANK M	Pacific Telephone
1960	RIAL FRANK M	Pacific Telephone

605 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	GALBRAITHK	Haines & Company
1995	La Combe K	Pacific Bell
1985	GALBRAITH FRED M	Pacific Bell
1980	GALBRAITH KATHY N DODSWORTH AVE COVINA	Pacific Telephone
	GALBRAITH FRED M N DODSWORTH AVE COVINA	Pacific Telephone
1975	GALBRAITH FRED M	Pacific Telephone
1966	SHELTON JAS R	Pacific Telephone

<u>Source</u>

<u>Source</u>

Source Pacific Bell

Pacific Telephone

Pacific Telephone Pacific Telephone

Pacific Telephone Pacific Telephone

609 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	VAN CLIEF HERBERT N DODSWORTH AVE LA PUENTE	Pacific Telephone
1960	GUZMAN ANTONIO J	Pacific Telephone
1957	BANDA RICHARD F	Pacific Telephone

612 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ROSE James 00 S	Haines & Company
1985	LEE TEAN GLENDALE	Pacific Bell
1980	YALENZUELA PAUL N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	PERRY HILLARD L COVINA	Pacific Telephone
	PERRY HELEN V	Pacific Telephone
1966	SARAZIN HELEN V	Pacific Telephone
1960	SHUTES S JOHN	Pacific Telephone
1957	SHUTES S JOHN	Pacific Telephone

613 N DODSWORTH AVE

<u>Uses</u>	<u>Source</u>
OGARCIA Ernest	Haines & Company
SHEBROE DENISE	Pacific Telephone
SHEBROE HOWARD	Pacific Telephone
SHEBROE C	Pacific Telephone
SHEBREE JOE S	Pacific Telephone
SHEBREE JOE S	Pacific Telephone
	Uses OGARCIA Emest SHEBROE DENISE SHEBROE HOWARD SHEBROE C SHEBREE JOE S SHEBREE JOE S

615 N DODSWORTH AVE

1975 RAMIREZ TOMAS

618 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>
1960	NUTT WM P
1957	NUTT WM P

621 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>
1985	KUH JAE MAN
1966	DOWYAK PETER E
1960	DOWYAK PETER E

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Page 34

<u>Year</u>	<u>Uses</u>	<u>Source</u>		
1957	DOWYAK PETER E	Pacific Telephone		
622 N DODSWORTH AVE				
Voar		Source		
2003		Haines & Company		
1005				
1095				
1980	LANG ROBT LANG ROBT N DODSWORTH AVE COVINA	Pacific Telephone		
1975	BLANKENBEKER J E	Pacific Telephone		
1966	BLANKENBEKER WM J	Pacific Telephone		
1960	BLANKENBEKER WM J	Pacific Telephone		
623 N DO	DSWORTH AVE			
<u>Year</u>	<u>Uses</u>	<u>Source</u>		
2003	CHACON Dominic	Haines & Company		
1980	HEBARD TORI N DODSWORTH AVE COVINA	Pacific Telephone		
1966	HEBARD D E	Pacific Telephone		
624 N DO	DSWORTH AVE			
<u>Year</u>	<u>Uses</u>	<u>Source</u>		
1960	MEDINA B	Pacific Telephone		
627 N DO				
	DSWORTHAVE			
<u>Year</u>	<u>Uses</u>	Source		
<u>Year</u> 1980	<u>Uses</u> DENMARK BONNIE N DODSWORTH AVE LA PUENTE	<u>Source</u> Pacific Telephone		
<u>Year</u> 1980 1960	<u>Uses</u> DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH	<u>Source</u> Pacific Telephone Pacific Telephone		
<u>Year</u> 1980 1960 630 N DC	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE	<u>Source</u> Pacific Telephone Pacific Telephone		
<u>Year</u> 1980 1960 630 N DC <u>Year</u>	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE Uses	Source Pacific Telephone Pacific Telephone		
<u>Year</u> 1980 1960 630 N DC <u>Year</u> 1975	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE Uses RICE CLIFFORD L	Source Pacific Telephone Pacific Telephone Source Pacific Telephone		
<u>Year</u> 1980 1960 630 N DC <u>Year</u> 1975 1966	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE Uses RICE CLIFFORD L RICE CLIFFORD L	Source Pacific Telephone Pacific Telephone Source Pacific Telephone Pacific Telephone		
<u>Year</u> 1980 1960 630 N DC <u>Year</u> 1975 1966 1960	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE Uses RICE CLIFFORD L RICE CLIFFORD L RICE CLIFFORD L	Source Pacific Telephone Pacific Telephone Source Pacific Telephone Pacific Telephone Pacific Telephone		
<u>Year</u> 1980 1960 630 N DO <u>Year</u> 1975 1966 1960 1957	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE Uses RICE CLIFFORD L	Source Pacific Telephone Pacific Telephone Source Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone		
<u>Year</u> 1980 630 N DO <u>Year</u> 1975 1966 1960 1957 633 N DO	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE Uses RICE CLIFFORD L RICE CLIFFORD L	Source Pacific Telephone Pacific Telephone Source Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone		
<u>Year</u> 1980 630 N DC <u>Year</u> 1975 1966 1960 1957 633 N DC <u>Year</u>	Uses DENMARK BONNIE N DODSWORTH AVE LA PUENTE BRIDGE RALPH DSWORTH AVE Uses RICE CLIFFORD L DSWORTH AVE	Source Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone		

Tear	<u>Uses</u>	<u>Source</u>
1980	LARA FERNANDO N DODSWORTH AVE LA PUENTE	Pacific Telephone
1960	SCUTT ROBT C	Pacific Telephone
1957	SCUTT ROBT C	Pacific Telephone
636 N DO	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	SYLVESTER JOETTA N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	SYLVESTER JOETTA	Pacific Telephone
639 N DO	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	SCHUMM L W	Pacific Bell
1980	SCHUMM L W N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	SCHUMM L W	Pacific Telephone
1966	SCHUMM L W	Pacific Telephone
1960	SCHUMM L W	Pacific Telephone
1957	SCHUMM L W	Pacific Telephone
640 N DO	DSWORTH AVE	
<u>Year</u>	Uses	<u>Source</u>
1960	SWANK PHILIP A	Pacific Telephone
642 N DO	DSWORTH AVE	
642 N DO <u>Year</u>	DSWORTH AVE <u>Uses</u>	<u>Source</u>
642 N DO <u>Year</u> 1985	DSWORTH AVE <u>Uses</u> JIMENEZ RICHARD	<u>Source</u> Pacific Bell
642 N DO <u>Year</u> 1985	DSWORTH AVE <u>Uses</u> JIMENEZ RICHARD JIMENEZ PAULA	<u>Source</u> Pacific Bell Pacific Bell
642 N DO <u>Year</u> 1985 1980	DSWORTH AVE <u>Uses</u> JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE	<u>Source</u> Pacific Bell Pacific Bell Pacific Telephone
642 N DO <u>Year</u> 1985 1980	DSWORTH AVE <u>Uses</u> JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LA PUENTE	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone
642 N DO <u>Year</u> 1985 1980 1975	DSWORTH AVE <u>Uses</u> JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LA PUENTE JIMENEZ RICHARD	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone
642 N DO <u>Year</u> 1985 1980 1975	DSWORTH AVE Uses JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LA PUENTE JIMENEZ RICHARD JIMENEZ PAULA	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone
642 N DO <u>Year</u> 1985 1980 1975 1960	DSWORTH AVE Uses JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LA PUENTE JIMENEZ RICHARD JIMENEZ PAULA LAWSON ALEX R	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone
642 N DO <u>Year</u> 1985 1980 1975 1960 1957	DSWORTH AVE Uses JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LA PUENTE JIMENEZ RICHARD JIMENEZ PAULA LAWSON ALEX R LAWSON ALEX R	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone
642 N DO <u>Year</u> 1985 1980 1975 1960 1957 645 N DO	DSWORTH AVE Uses JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LA PUENTE JIMENEZ RICHARD JIMENEZ RICHARD JIMENEZ PAULA LAWSON ALEX R LAWSON ALEX R BSWORTH AVE	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone
642 N DO <u>Year</u> 1985 1980 1975 1960 1957 645 N DO <u>Year</u>	USWORTH AVE Uses JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LAWSON ALEX R LAWSON ALEX R LAWSON ALEX R LAWSON ALEX R	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Source
642 N DO <u>Year</u> 1985 1980 1975 1960 1957 645 N DO <u>Year</u> 1985	DSWORTH AVE Uses JIMENEZ RICHARD JIMENEZ PAULA JIMENEZ PAULA JIMENEZ RICHARD N DODSWORTH AVE LA PUENTE JIMENEZ PAULA N DODSWORTH AVE LA PUENTE JIMENEZ RICHARD JIMENEZ RICHARD JIMENEZ PAULA LAWSON ALEX R LAWSON ALEX R DSWORTH AVE Uses GONZALES MANUEL	Source Pacific Bell Pacific Bell Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>			
1960	KALLEN HAROLD H	Pacific Telephone			
1957	KALLEN HAROLD H	Pacific Telephone			
648 N DO	648 N DODSWORTH AVE				
<u>Year</u>	<u>Uses</u>	<u>Source</u>			
1980	ALFORD THERESA N DODSWORTH AVE LA PUENTE	Pacific Telephone			
651 N DO	DSWORTH AVE				
<u>Year</u>	<u>Uses</u>	<u>Source</u>			
1985	MC LEAN LEONA MRS	Pacific Bell			
1980	MCLEAN LEONA MRS N DODSWORTH AVE LA PUENTE	Pacific Telephone			
1975	RUSSO JANET	Pacific Telephone			
	MCLEAN LEONA MRS	Pacific Telephone			
1960	WEST FLETCHER L	Pacific Telephone			
1957	WEST FLETCHER L	Pacific Telephone			
654 N DO	DSWORTH AVE				
<u>Year</u>	<u>Uses</u>	<u>Source</u>			
<u>Year</u> 1966	<u>Uses</u> HOWARD RICHARD L	<u>Source</u> Pacific Telephone			
<u>Year</u> 1966 657 NDC	<u>Uses</u> Howard Richard L I dsworth Ave	<u>Source</u> Pacific Telephone			
<u>Year</u> 1966 657 NDC <u>Year</u>	<u>Uses</u> HOWARD RICHARD L IDSWORTH AVE <u>Uses</u>	<u>Source</u> Pacific Telephone <u>Source</u>			
<u>Year</u> 1966 657 N DC <u>Year</u> 1985	<u>Uses</u> HOWARD RICHARD L DSWORTH AVE <u>Uses</u> NGUYEN HOAT	<u>Source</u> Pacific Telephone <u>Source</u> Pacific Bell			
<u>Year</u> 1966 657 N DC <u>Year</u> 1985 1980	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE LA PUENTE	Source Pacific Telephone Source Pacific Bell Pacific Telephone			
<u>Year</u> 1966 657 N DC <u>Year</u> 1985 1980 663 N DC	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE LA PUENTE	Source Pacific Telephone Source Pacific Bell Pacific Telephone			
<u>Year</u> 1966 657 N DC <u>Year</u> 1985 1980 663 N DC <u>Year</u>	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE LA PUENTE DSWORTH AVE Uses	Source Pacific Telephone Source Pacific Bell Pacific Telephone			
<u>Year</u> 1966 657 N DC <u>Year</u> 1985 1980 663 N DC <u>Year</u> 1957	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE DSWORTH AVE DSWORTH AVE WILLIAMSON AL B JR	Source Pacific Telephone Source Pacific Bell Pacific Telephone Source Pacific Telephone			
<u>Year</u> 1966 657 N DC <u>Year</u> 1985 1980 663 N DC <u>Year</u> 1957 666 N DC	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE LA PUENTE DSWORTH AVE Uses WILLIAMSON AL B JR	Source Pacific Telephone Source Pacific Bell Pacific Telephone Source Pacific Telephone			
<u>Year</u> 1966 657 N DO <u>Year</u> 1985 1980 663 N DO <u>Year</u> 1957 666 N DO <u>Year</u>	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE LA PUENTE DSWORTH AVE Uses WILLIAMSON AL B JR Uses Uses	Source Pacific Telephone Source Pacific Bell Pacific Telephone Source Pacific Telephone			
<u>Year</u> 1966 657 N DO <u>Year</u> 1985 1980 663 N DO <u>Year</u> 1957 666 N DO <u>Year</u> 1985	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE DSWORTH AVE Uses WILLIAMSON AL B JR DSWORTH AVE Uses MARCHESANO LOUIS	Source Pacific Telephone Source Pacific Bell Pacific Telephone Source Pacific Telephone			
<u>Year</u> 1966 657 N DO <u>Year</u> 1985 1980 663 N DO <u>Year</u> 1957 666 N DO <u>Year</u> 1985 1980	Uses HOWARD RICHARD L DSWORTH AVE Uses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE APUENTE Uses WILLIAMSON AL B JR VSWORTH AVE Uses MARCHESANO LOUIS N DODSWORTH AVE ARCHESANO LOUIS N DODSWORTH AVE	Source Pacific Telephone Source Pacific Bell Pacific Telephone Source Pacific Telephone Source Pacific Telephone			
<u>Year</u> 1966 657 N DO <u>Year</u> 1985 1980 663 N DO <u>Year</u> 1957 666 N DO <u>Year</u> 1985 1980	Uses HOWARD RICHARD L INGUYEN HAVE Jses NGUYEN HOAT GARCIA OMAR N DODSWORTH AVE DSWORTH AVE Uses WILLIAMSON AL B JR VSWORTH AVE Jses MARCHESANO LOUIS N DODSWORTH AVE MARCHESANO LOUIS N DODSWORTH AVE MARCHESANO LOUIS	Source Pacific Telephone Source Pacific Bell Pacific Telephone Source Pacific Telephone Source Pacific Bell Pacific Bell Pacific Telephone			

669 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	GEHRKE FRANK W	Pacific Bell
1980	GEHRKE FRANK W N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	GEHRKE FRANK W	Pacific Telephone
1966	GEHRKE FRANK W	Pacific Telephone
1960	GEHRKE FRANK W	Pacific Telephone
1957	GEHRKE FRANK W	Pacific Telephone

702 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	STANLEY TERESA	Pacific Telephone
1957	JOHNSON JOHNNY P	Pacific Telephone

703 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	AUER WM G & MONA N DODSWORTH AVE LA PUENTE	Pacific Telephone
1960	CASTELLANO ELIA R	Pacific Telephone

709 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	CHAPMAN RICHARD	Pacific Telephone
1966	WALTERS ROBT B	Pacific Telephone
1960	DUNLAP O T	Pacific Telephone
1957	DUNLAP SYLVIA	Pacific Telephone

714 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>		<u>Source</u>
1985	KATONA WM		Pacific Bell
1980	KATONA WM N DODSWORTH PUENTE	AVE LA	Pacific Telephone
1975	KATONA WM		Pacific Telephone
1966	KATONA WM		Pacific Telephone
1960	KATONA WM		Pacific Telephone

715 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	ADAME ANTONIO	Pacific Telephone
1957	ADAME ANTONIO	Pacific Telephone

720 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	POLSTON JOHN D	Pacific Bell
1980	POLSTON JOHN B N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	POLSTON JOHN D	Pacific Telephone
1966	POLSTON JOHN D	Pacific Telephone
1960	POLSTON JOHN D	Pacific Telephone
1957	POLSTON JOHN D	Pacific Telephone

721 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	HIDALGO ROBT	Pacific Bell
1980	HIDALGO ROBT N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	HIDALDO ROBT	Pacific Telephone
1957	BAENETT HAYWARD A	Pacific Telephone

726 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	TREJO HECTOR	Pacific Bell
	TREJO IRMA J	Pacific Bell
1980	TREJO HECTOR N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	TREJO HECTOR	Pacific Telephone
1966	CAREY EDW V	Pacific Telephone

727 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	BOUCHARD ARTHUR P M	Pacific Telephone

N Dodsworth Ave

733 N Dodsworth Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AMERICAN GRADUATE UNIV LLC	EDR Digital Archive
	PROCUREMENT ASSOCIATES INC	EDR Digital Archive
	AMERICAN GRADUATE UNIV LLC	EDR Digital Archive
	PROCUREMENT ASSOCIATES INC	EDR Digital Archive
2010	AMERICAN GRADUATE UNIV LLC	EDR Digital Archive
	PROCUREMENT ASSOCIATES INC	EDR Digital Archive
	AMERICAN GRADUATE UNIV LLC	EDR Digital Archive

<u>Year Uses</u>	
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2010 PROCUREMENT ASSOCIATES INC

<u>Source</u>

EDR Digital Archive

N DODSWORTH AVE

733 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ASSOCIATES INC	Haines & Company
	AMER GRADUATE UNIV	Haines & Company
	PROCUREMENT	Haines & Company
1995	PROCUREMENT ASSOCIATES INC	Pacific Bell
	American Graduate University	Pacific Bell
	American Graffiti Control	Pacific Bell
	Procurement Associates Inc	Pacific Bell
	Prod Electronics BPk	Pacific Bell
1985	AMERICAN GRADUATE UNIVERSITY	Pacific Bell
	PROCUREMENT ASSOCIATES INC	Pacific Bell
1980	PROCUREMENT ASSOCIATES INC N DODSWORTH AVE COVINA	Pacific Telephone
	AMERICAN GRADUATE UNIVERSITY N DODSWORTH AVE COVINA	Pacific Telephone
1975	PROCUREMENT ASSOCIATES	Pacific Telephone
	VIDEO EDUCATION INSTITUTE	Pacific Telephone

735 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company

N Dodsworth Ave

737 N Dodsworth Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	JOHNNYS BIG TWIN INC	EDR Digital Archive
	JOHNNYS BIG TWIN INC	EDR Digital Archive

N DODSWORTH AVE

737 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1966	AERCO INC MACH SHOP	Pacific Telephone

<u>Source</u>

Pacific Bell Pacific Bell Pacific Bell Pacific Bell

Haines & Company

Pacific Telephone

744 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	DURAN BENJ E	Pacific Telephone

N Dodsworth Ave

745 N Dodsworth Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	R T M MACHINING	EDR Digital Archive
	R T M MACHINING	EDR Digital Archive

N DODSWORTH AVE

745 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HEINZ MFG CO	Haines & Company
1985	HEINZ MFG CO	Pacific Bell
1980	HEINZ MFG CO N DODSWORTH AVE COVINA	Pacific Telephone
	H & H INDUSTRIES N DODSWORTH AVE COVINA	Pacific Telephone
1975	HEINZ MFG CO	Pacific Telephone
1966	QUALITY CIRCUITS DIV	Pacific Telephone

747 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	IPFS	Pacific Bell
	i PFS Coprlion 17	Pacific Bell
1985	PFS	Pacific Bell

749 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>
2003	XXXX
1995	Hanks Prototype
	Hanks R Men
	Hanks Richard Rwland Hts
1985	HANKS PROTOTYPE
1966	PERK-IT PRODUCTS INC

750 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	GONZALEZ RICARDO	Pacific Bell

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	GONZALEZ RICARDO N DODSWORTH AVE LA PUENTE	Pacific Telephone
1960	CARDWELL NELSON	Pacific Telephone
1957	CARDWELL NELSON	Pacific Telephone
751 N DC	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	M MACHINE	Haines & Company
1985	ELZY SALES CO	Pacific Bell
752 N DC	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
753 N DC	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1975	T & T ENTERPRISES	Pacific Telephone
1966	PETTYFER PERCY G	Pacific Telephone
1960	PETTYFER PERCY G	Pacific Telephone
1957	ASHMORE WAYLAND A	Pacific Telephone
754 N DC	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ROKE COMPANY	Haines & Company
755 N DC	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	ELZY SALES CO N DODSWORTH AVE COVINA	Pacific Telephone
1975	ELZY SALES CO	Pacific Telephone
1966	LAYTON SOFT WATER SERV	Pacific Telephone
756 N DODSWORTH AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	HAZLETT ELEANOR	Pacific Bell
1980	HAZLETT ELEANOR N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	HAZLETT WM H	Pacific Telephone
1960	GIRARD JACK E	Pacific Telephone

757 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	SAN BEV ROCK BIT CO	Pacific Telephone
758 N DOI	DSWORTH AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Mercury Engineering	Pacific Bell
1985	SELLS WELDING SERVICE	Pacific Bell
1980	SELLS WELDING SERVICE N DODSWORTH AVE COVINA	Pacific Telephone
1976	Metal Rubber Corp	Pacific Telephone
1975	SO CALIF HOBBS CUTTING TOOLS	Pacific Telephone
	METAL RUBBER CO	Pacific Telephone

759 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	KRAUS ENGINEERING N DODSWORTH AVE COVINA	Pacific Telephone
1975	KRAUS ENGINEERING	Pacific Telephone
1957	SYMONS DAVID LEE	Pacific Telephone
761 N DODSWORTH AVE		

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PAC ENGINE COVIN	Haines & Company
1985	PACIFIC ENGINE COVINA	Pacific Bell
1980	PACIFIC ENGINE COVINA N DODSWORTH AVE COVINA	Pacific Telephone

N Dodsworth Ave

762 N Dodsworth Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	HITCHCOCK ENGINEERING	EDR Digital Archive
	HITCHCOCK ENGINEERING	EDR Digital Archive

N DODSWORTH AVE

762 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	CADDY CURTIS	Pacific Bell
1975	IVINSON ENGINEERING COVINA	Pacific Telephone
1957	RADER ALTON B	Pacific Telephone

<u>Source</u>

763 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	S KA D CORP	Haines & Company
1995	S KADCorp	Pacific Bell
1980	WILLBYS CARPET SERVICE N DODSWORTH AVE COVINA	Pacific Telephone
1975	RELIABLE SUPPLY CO	Pacific Telephone
	JASON CALIF COVINA	Pacific Telephone
	UNIPRO UNIFORMS	Pacific Telephone
	UNIPRO UNIFORMS FOR PROFESSIONALS	Pacific Telephone
1966	WEICKERT ALBERT L	Pacific Telephone

765 N DODSWORTH AVE

<u>Year</u><u>Uses</u>

2003	XXXX	Haines & Company
1995	D & S MAGNETICS INC	Pacific Bell
	D & S Magnetics Inc	Pacific Bell
	Ultra Tech Labs Inc	Pacific Bell
	Ski Seat Water Sport Industries	Pacific Bell
	Skibba Christopher	Pacific Bell
1985	QUINONEZ ROBT	Pacific Bell
1980	QUINONEZ ROBT N DODSWORTH AVE LA PUENTE	Pacific Telephone
	QUINONEZ CATHY N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	QUINONEZ ROBT LA PUENTE	Pacific Telephone
1966	BROGDEN INC	Pacific Telephone
1960	CASTELLANOS ESTER	Pacific Telephone

766 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Wesco Security Alarms	Pacific Bell
1985	BLAMS DISTRIBUTING	Pacific Bell
1980	PARAMOUNT MACHINE CO N DODSWORTH AVE COVINA	Pacific Telephone
767 N DODSWORTH AVE		

YearUsesSource2003XXXXHaines & Company1980HATCH W R & CO N DODSWORTH
AVE COVINAPacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	HATCH W R & CO	Pacific Telephone
1966	NATIONAL ALUMINUM PRODUCTS SCREENINO DIV	Pacific Telephone
768 N DODSWORTH AVE		

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	RODGERS JOHN LA PUENTE	Pacific Bell
1980	RODGERS JOHN N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	RODGERS JOHN	Pacific Telephone
1960	TOWLE JAS S	Pacific Telephone
1957	TOWLE JAS S	Pacific Telephone

770 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PRESTIGE ENGRAVING	Haines & Company
1995	Prestige Engraving Co	Pacific Bell
1985	PRESTIGE ENGRAVING CO	Pacific Bell
1980	PRESTIGE ENGRAVING CO N DODSWORTH AVE COVINA	Pacific Telephone
1975	PRESTIGE ENGRAVING CO	Pacific Telephone
	H D W CO	Pacific Telephone
1966	PRESTIGE ENGRAVING CO	Pacific Telephone

771 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	GRAVES JAY	Pacific Bell
1980	ELIZALDE MANUEL M N DODSWORTH AVE LA PUENTE	Pacific Telephone
1975	METT JOHN G	Pacific Telephone
1966	METT JOHN G	Pacific Telephone
1960	METT JOHN G	Pacific Telephone
1957	METT JOHN G	Pacific Telephone

774 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	READ REX B	Pacific Telephone

777 N DODSWORTH AVE

<u>Year</u>	<u>Uses</u>
1985	PEREZ FIDEL & MARYLOU
1960	GORECKI HERBERT

ne ne

Sour

<u>Source</u>

Pacific Bell Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	ALVELO JOSE	Pacific Telephone
<u>N GRAN</u>	ID AVE	
645 N GI	RAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	1-DAY PAINT & BODY CENTERS INC	EDR Digital Archive
	PEACHY DVLPMENTS CAL CENTL LLC	EDR Digital Archive
2010	1-DAY PAINT & BODY CENTER 133	EDR Digital Archive
<u>N JENIF</u>	ER AVE	
405 N JE	NIFER AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	EVANS JAY N JENIFER AVE COVINA	Pacific Telephone
415 N JE	NIFER AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Stuhr Arthur M	Pacific Bell
1980	STUHR ARTHUR M N JENIFER AVE COVINA	Pacific Telephone
425 N JE	ENIFER AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Hawkins Robt & Alexa Glandra	Pacific Bell
	Hawkins Robt	Pacific Bell
1980	HAWKINS ROBT N JENIFER AVE COVINA	Pacific Telephone
428 N JE	INIFER AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	JACKSON JACK J N JENIFER AVE COVINA	Pacific Telephone
1975	JACKSON JACK J COVINA	Pacific Telephone
438 N JE	NIFER AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SANCHEZ Frederick	Haines & Company
1985	SANCHEZ KARLA & RHONDA	Pacific Bell
1975	VIGEN REGINALD	Pacific Telephone
1966	VIGEN REGINALD	Pacific Telephone

443 N JENIFER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LORENZ Norbert J	Haines & Company
1995	Lorenz TG	Pacific Bell
	Lorenz Wirzha Heidi	Pacific Bell
	Lorenz Norbert J	Pacific Bell
1985	LORENZ NORBERT J	Pacific Bell
1966	LORENZ NORBERT J	Pacific Telephone
1960	LORENZ NORBERT J	Pacific Telephone

446 N JENIFER AVE

<u>Uses</u>	<u>Source</u>
NAJAR Samuel	Haines & Company
Allmoslecher Tony & Minette	Pacific Bell
BRADICK BERNARD G N JENIFER AVE COVINA	Pacific Telephone
BRUST DONALD R	Pacific Telephone
BRUST DONALD R	Pacific Telephone
SIGLER HARRY L	Pacific Telephone
	UsesNAJAR SamuelAllmoslecher Tony & MinetteBRADICK BERNARD G N JENIFER AVE COVINABRUST DONALD RBRUST DONALD RSIGLER HARRY L

451 N JENIFER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SMITH Todd	Haines & Company
1995	Mc Caffery James M MD Glendale Eye Medical Group Inc	Pacific Bell
	Mc Caffery David V	Pacific Bell
1985	MCCAFFERY DAVID V	Pacific Bell
1980	MCCAFFERY DAVID V N JENIFER AVE COVINA	Pacific Telephone
1960	PACKER WALLACE H	Pacific Telephone

454 N JENIFER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MCCRARY Roy	Haines & Company
1995	Perri Richard	Pacific Bell
1985	PERRI RICHARD	Pacific Bell

<u>N Jenifer Ave</u>

459 N Jenifer Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	AMERICAN SPORT TRAILER CO LLC	EDR Digital Archive

<u>Year</u>	<u>Uses</u>	<u>Source</u>

2010 AMERICAN SPORT TRAILER CO LLC

EDR Digital Archive

N JENIFER AVE

459 N JENIFER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	WISHEK Stephen	Haines & Company
1985	SITTMAN CARL	Pacific Bell
1980	SITTMANS CARL N JENIFER AVE COVINA	Pacific Telephone
1975	SITTMAN CARL	Pacific Telephone
1966	ARAMENDLA FRANK N JR	Pacific Telephone
1960	ARAMENDIA FRANK M JR	Pacific Telephone

N Jenifer Ave

464 N Jenifer Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SUMMER RUBIO WEDDING EVENT PLG	EDR Digital Archive
	SUMMER RUBIO WEDDING EVENT PLG	EDR Digital Archive

N JENIFER AVE

464 N JENIFER AVE

<u>Uses</u>	<u>Source</u>
WALL Donald F	Haines & Company
Wall Donald F	Pacific Bell
WALL DONALD F	Pacific Bell
WALL DONALD F N JENIFER AVE COVINA	Pacific Telephone
WALL DONALD F	Pacific Telephone
WALL DONALD F	Pacific Telephone
WALL DONALD F	Pacific Telephone
	Uses WALL Donald F Wall Donald F WALL DONALD F WALL DONALD F N JENIFER AVE COVINA WALL DONALD F WALL DONALD F WALL DONALD F

N Jenifer Ave

469 N Jenifer Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SPECIAL MOMENTS	EDR Digital Archive
	SPECIAL MOMENTS	EDR Digital Archive

N JENIFER AVE

469 N JENIFER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OSHULER Raymond	Haines & Compa
1985	DICKERSON ROBT	Pacific Bell
1975	ENGLAND J RICHARD	Pacific Telephon
1966	KEUTZER BENJ O	Pacific Telephon
1960	BOWERS WM E	Pacific Telephon

472 N JENIFER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OMEDINAAlfredo	Haines & Company
1985	KRAMER RONALD	Pacific Bell
1980	KRAMER RONALD N JENIFER AVE COVINA	Pacific Telephone
1975	KRAMER RONALD	Pacific Telephone
1966	KRAMER RONALD	Pacific Telephone

N NEARGLEN AVE

401 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	SCHEIBEL DAVID D	Pacific Telephone
1960	GULLION EUGENE	Pacific Telephone
1957	GULLION EUGENE	Pacific Telephone
1950	BLACKMAN ELEANOR B MRS R	Pacific Telephone
	BLACKMAN ELEANOR B MRS R	Pacific Telephone

402 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>
1960	ROSS SALLY J
	ROSS LOIS J
	ROSS DOLLIE M MRS

404 N NEARGLEN AVE

<u>Uses</u>	2
BRITTAIN LUELLA	F
BRITTAIN DEBBIE	F
BERG JAS	F
HOSLER MARGARETL	F
	Uses BRITTAIN LUELLA BRITTAIN DEBBIE BERG JAS HOSLER MARGARETL

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Source

Pacific Telephone Pacific Telephone Pacific Telephone

<u>Source</u>

Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	HOSLER MARGARETL	Pacific Telephone
405 N NE	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	STAFFORD GARNET M	Pacific Telephone
1957	PRICE TYLER	Pacific Telephone
406 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	GENTRY Deborah 00 C	Haines & Company
1985	GERACI JOS	Pacific Bell
1980	GERACI JOS N NEARGLEN AVE COVINA	Pacific Telephone
1966	SIMONS SYRENA E	Pacific Telephone
1960	SIMONS ALBERT M	Pacific Telephone
409 N NE	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	IRWIN SARAH E	Pacific Telephone
1957	IRWIN SARAH E	Pacific Telephone
410 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	SMITH LAMA MRS	Pacific Telephone
1957	MULLINS CECELIA	Pacific Telephone
1950	MOORE G E	Pacific Telephone
	MOORE G E	Pacific Telephone
413 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	POE GERALD DON	Pacific Telephone
414 N NE	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	GALLOWAY JESSIE M	Pacific Telephone
415 N NE	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	OKERLAND JANE	Pacific Telephone

<u>Source</u>

Pacific Telephone

416 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	RODRIGUEZPaul	Haines & Company
1985	AYLARD DONAVON	Pacific Bell
1980	AYLARD DONAVON N NEARGLEN AVE COVINA	Pacific Telephone
1975	AYLARD DONAVON	Pacific Telephone
1966	JOHNSON KENNETH C	Pacific Telephone
1960	JOHNSON KENNETH C	Pacific Telephone

418 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	HEDGES EVA M MRS	Pacific Telephone
1950	BRUCE JAS H R	Pacific Telephone
	BRUCE JAS H R	Pacific Telephone

420 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	APPEL HENRY E	Pacific Telephone
1950	WATKINS WM W R	Pacific Telephone
	WATKINS WM W R	Pacific Telephone

424 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	WILSON ALLYNE P	Pacific Telephone
1957	HELMBOLD JOHN L	Pacific Telephone
1950	KILLEEN JAS E PAINTNG	Pacific Telephone
	KILLEEN JAS E PAINTNG	Pacific Telephone

425 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>
1980	PALMER ROBT W N NEARGLEN AVE COVINA

426 N NEARGLEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1995	Blackburn Phyllis	Pacific Bell
	Blackburn Wayne	Pacific Bell
	Blacketer T Whit	Pacific Bell
1985	BALCKBURN PHYLLIS	Pacific Bell
	BLACKBURN WAYNE	Pacific Bell

<u>Year</u>	<u>Uses</u>	Source
1980	BLACKBURN WAYNE N NEARGLEN AVE COVINA	Pacific Telephone
	BLACKBURN P N NEARGLEN AVE COVINA	Pacific Telephone
1975	BLACKBURN WAYNE COVINA	Pacific Telephone
	BLACKBURN P COVINA	Pacific Telephone
1966	MUNSON GLENN E	Pacific Telephone
1960	VAN ALSTINE DONALD S	Pacific Telephone
	CONLEE R E	Pacific Telephone
1957	BOWMAN THOS E	Pacific Telephone
1950	DEW DONALD R	Pacific Telephone
	BAXTER CHESTER E R	Pacific Telephone
	DEW DONALD R	Pacific Telephone
	BAXTER CHESTER E R	Pacific Telephone
430 N NE	ARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	MILES JAS P	Pacific Telephone
1957	CARTER JOHN J R	Pacific Telephone
433 N NE	ARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	OAKS LARRY N NEARGLEN AVE COVINA	Pacific Telephone
	OAKS LARRY N NEARGLEN AVE COVINA	Pacific Telephone
434 N NE	ARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	KENNEDY HERMAN J	Pacific Telephone
436 N NE	ARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	VOGEL Siegfried	Haines & Company
	VOGEL Elizabeth	Haines & Company
1995	Vogel Siegfried & Elizabeth	Pacific Bell
1985	VOGEL SIEGFRIED & ELIZABETH	Pacific Bell
1980	VOGEL SIEGFRIED & ELIZABETH N NEARGLEN AVE COVINA	Pacific Telephone
1975	VOGEL SIEGFRIED	Pacific Telephone
1966	EICHENBERG GEO H	Pacific Telephone

1960

EICHENBERG GEO H

Pacific Telephone

443 N NEARGLEN AVE

1985

1980

BOWERS ROBT E

BOWERS ROBT E N NEARGLEN AVE COVINA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MAGDALENO MAX N NEARGLEN AVE COVINA	Pacific Telephone
446 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BROWNING Jan	Haines & Company
451 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LOGIURATOD	Haines & Company
1985	LOGIURATO D	Pacific Bell
1980	LOGIURATO D N NEARGLEN AVE COVINA	Pacific Telephone
1975	LOGIURATO D	Pacific Telephone
1960	NELSON BERTIL E	Pacific Telephone
456 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	STRANG Bruce	Haines & Company
1960	JAMES DONALD R	Pacific Telephone
461 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Borens Kerby	Pacific Bell
1960	ALCOTT ALONZO H LT COL RET	Pacific Telephone
	ALCOTT ROMAYNE LAWRIE	Pacific Telephone
466 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ESTRADA Daniel	Haines & Company
1966	VAUGHN LAWRENCE A	Pacific Telephone
1960	VAUGHN LAWRENCE A	Pacific Telephone
469 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BERNARD Mills	Haines & Company
	OSANDOVALAlbert	Haines & Company

Pacific Bell

Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	BOWERS ROBT E	Pacific Telephone
1960	OLIVER LEWIS A	Pacific Telephone
476 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	CAMACHO Ramiro	Haines & Company
1985	SMITH RANDALL C	Pacific Bell
1980	M & A CONCRETE N NEARGLEN AVE COVINA	Pacific Telephone
1966	HEASLEY RICHARD T	Pacific Telephone
479 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	JOHNSON Deeann	Haines & Company
1985	MOYER ROBT	Pacific Bell
1980	MOYER ROBT N NEARGLEN AVE COVINA	Pacific Telephone
1975	ANDERSON JAS L	Pacific Telephone
486 N N	EARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	VELA Frank	Haines & Company
1960	LANGTON HERBERT M	Pacific Telephone
404 1/2	N NEARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	KILLEEN CHAS L	Pacific Telephone
1957	KILLEEN CHAS L	Pacific Telephone
405 1/2	N NEARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BATES GEO W	Pacific Telephone
	BATES PATRICIA L	Pacific Telephone
410 1/2	N NEARGLEN AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	JARNAGAN M F	Pacific Telephone
1957	JARNAGAN M F	Pacific Telephone
420 1/2	N NEARGLEN AVE	
Year	Uses	Source
1960	GIERENS ROY A	Pacific Telephone

<u>Year</u>	<u>Uses</u>
1950	HELMBOLD JOHN L
	HELMBOLD JOHN L
424 1/2 N	NEARGLEN AVE
<u>Year</u>	<u>Uses</u>
1950	LEE HUBERT R
	LEE HUBERT R
430 1/2 N	NEARGLEN AVE
<u>Year</u>	<u>Uses</u>
1057	

<u>Source</u>

Pacific Telephone Pacific Telephone

<u>Source</u>

Pacific Telephone Pacific Telephone

<u>Source</u>

1957	SHINN GARLAND R	Pacific Telephone
1950	CAREY ROBT W	Pacific Telephone
	CAREY ROBT W	Pacific Telephone

North Glendora Avenue

817 North Glendora Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ACTION BOOKKEEPING OF COVINA	Pacific Bell
	Covina	Pacific Bell
	Hathaway Tom E A	Pacific Bell
	Curtis Colteen	Pacific Bell
	Matteson Len	Pacific Bell
	CovIna	Pacific Bell
	Hathaway Tom	Pacific Bell
	Curtis Colleen	Pacific Bell
	Mattesm Len	Pacific Bell
	A B C Adorable Birtihday Clowns Cov	Pacific Bell
	Matteson Leonard JJr	Pacific Bell
	Matteson M	Pacific Bell
	Matteucci D	Pacific Bell
	Action Bookkeeping Of Covina	Pacific Bell
	Action Business Solutions La Pnte	Pacific Bell
1985	MARLATE STAMP MOUNTS	Pacific Bell
	MATTESON LEONARD J JR	Pacific Bell
	HATHAWAY TOM	Pacific Bell
1980	MARLATE MOUNTS N GLENDORA AVE COVINA	Pacific Telephone
1975	GENERAL BUSINESS SERVICES	Pacific Telephone
	MARLATE MOUNTS	Pacific Telephone

North Grand Avenue

611 North Grand Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	Haines & Company
1985	AL-SAL OIL CO	Pacific Bell
632 Nort	th Grand Avenue	
Year	Uses	Source

	<u></u>	<u> </u>
2003	WARREN Arthur	Haines & Company
1985	MAJESTIC CARPET WAREHOUSE	Pacific Bell
1975	SMITH PAUL	Pacific Telephone

645 North Grand Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	1 DAYPAINT&BODY	Haines & Company
	CENTERS	Haines & Company
1995	ONE DAY PAINT & BODY CENTERS	Pacific Bell
1985	ONE DAY PAINT & BODY CENTERS	Pacific Bell
1980	HENNIG AUTO PAINT & BODY REPAIR CO N GRAND AVE COVINA	Pacific Telephone
1975	HENNIG AUTO PAINT & BODY REPAIR CO	Pacific Telephone

716 North Grand Avenue

<u>Uses</u>	<u>Source</u>
APARTMENTS ALFARO Pablo	Haines & Company
FERGUSON Rob E	Haines & Company
AMEZCUA Monica	Haines & Company
BRANNIGAN L	Haines & Company
BURNS V	Haines & Company
BUSTOSAlejandra S	Haines & Company
CHAPMAN B	Haines & Company
COLEMAN John C	Haines & Company
CYR Gordon	Haines & Company
GOLDEN Robt	Haines & Company
HANESBob	Haines & Company
-:KELLEY HC	Pacific Bell
OSBOME JOHN W	Pacific Bell
MIESAL	Pacific Bell
FERGUSON ROBT E	Pacific Bell
	UsesAPARTMENTS ALFARO PabloFERGUSON Rob EAMEZCUA MonicaBRANNIGAN LBURNS VBUSTOSAlejandra SCHAPMAN BCOLEMAN John CCYR GordonGOLDEN RobtHANESBob-:KELLEY HCOSBOME JOHN WMIESALFERGUSON ROBT E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	KRAMER BRYCE L	Pacific Bell
	NEVLLLBL	Pacific Bell
	STANSELL RANDOLPH	Pacific Bell
	BRANICH JOHN	Pacific Bell
	BRANNIGAN L	Pacific Bell
	LE CLAIR ROBT	Pacific Bell
	PEREZDUNFT	Pacific Bell
	PECK J	Pacific Bell
	CALDWELL C	Pacific Bell
	BUNKER JOHN	Pacific Bell
	GLEKE KATHY	Pacific Bell
	RAMIREZ ESTHER	Pacific Bell
	POWELL ARTHUR L	Pacific Bell
	CHAPMAN BONNIE	Pacific Bell
	LUNA ESTELLA T	Pacific Bell
	WAGNER JOHN & CAROLYN	Pacific Bell
	WILHELM CHAS	Pacific Bell
	KEYSEARIH	Pacific Bell
	CYRGORDON	Pacific Bell
	CUTSHAW JIM	Pacific Bell
	MORECROFT ARTHUR	Pacific Bell
	SINDELARH	Pacific Bell
	BALDWIN THOMAS A SR	Pacific Bell
	DUCHAINEAU ALFRED	Pacific Bell
	JOHNSTON E M	Pacific Bell
	JOHNSON MILDRED	Pacific Bell
	NODA ROBT	Pacific Bell
	SMITH ROSE	Pacific Bell
	Johnson Mildred	Pacific Bell
	Johnson Millerd	Pacific Bell
	Mies AL	Pacific Bell
	Morecroft Arthur	Pacific Bell
	Sindelar H	Pacific Bell
	Sindelar Melanie D	Pacific Bell
	Sindelar P D	Pacific Bell
	Baldwin Thomas A Sr	Pacific Bell
	Duchaineau Alfred	Pacific Bell
	Smith Rose	Pacific Bell

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Smith Ross Lee	Pacific Bell
	Ferguson Robt E	Pacific Bell
	Osbome John W	Pacific Bell
	Stansell Randolph	Pacific Bell
	Branich John	Pacific Bell
	Brannigan L	Pacific Bell
	Branninga S C LH	Pacific Bell
	Brannon B	Pacific Bell
	Bunker John	Pacific Bell
	Bunker N Hacienda Heights	Pacific Bell
	Kramer Bryce L	Pacific Bell
	Kramer C	Pacific Bell
	Kramer Caroline	Pacific Bell
	Kramer Christopher	Pacific Bell
	Kramer D Glandra	Pacific Bell
	Le Clair Robt	Pacific Bell
	Golden Robt	Pacific Bell
	I Cagle Wm	Pacific Bell
	Gleke Kathy	Pacific Bell
	Gieke R & K Cov	Pacific Bell
	Luna Estella T	Pacific Bell
	Peck J	Pacific Bell
	Powell Arthur L	Pacific Bell
	Keys Eari H	Pacific Bell
	Hays G	Pacific Bell
	Mc Clellan S	Pacific Bell
	Mc Clellan Sandra	Pacific Bell
	Ramirez Esther	Pacific Bell
	Wagner John & Carolyn	Pacific Bell
	Cyr Gordon	Pacific Bell
	Cyr K M	Pacific Bell
	Cutshaw Jim	Pacific Bell
	Moller HCMrs	Pacific Bell
	Moller S J u	Pacific Bell
	Wilhelm Chas	Pacific Bell
	CAGLE WM	Pacific Bell
	MCCLELLAN S	Pacific Bell
	MOLLERHCMRS	Pacific Bell

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	AMUNDSON Z H	Pacific Bell
	CUTSHAW JIM	Pacific Bell
	MOBIL AIRE ESTATES	Pacific Bell
	MOLLER H C MRS	Pacific Bell
	MILLER HOMER	Pacific Bell
	BROWN E M	Pacific Bell
	BAIRD THOS N	Pacific Bell
	MUIR MAE	Pacific Bell
	SINDELAR H	Pacific Bell
	ZAHM LEE H	Pacific Bell
	CRABTREE CHLOE	Pacific Bell
	FULLER ROBT	Pacific Bell
	BURNETT C	Pacific Bell
	BENZEL EDW	Pacific Bell
	EBELTOFT TERRANCE	Pacific Bell
	JOHNSON MILDRED	Pacific Bell
	JOHNSON E M	Pacific Bell
	JONES M L	Pacific Bell
	ORRIS JOHN	Pacific Bell
	O BRIEN VICTOR	Pacific Bell
	STANSELL RANDOLPH	Pacific Bell
	BERG HALVOR J	Pacific Bell
	EVANS E	Pacific Bell
	KELLEY H C	Pacific Bell
	NEAL TANYA	Pacific Bell
	SUGGS ETHA M	Pacific Bell
	STEZAKER FRED	Pacific Bell
	LONGSTRETH MINTA	Pacific Bell
	PEREZ DON R	Pacific Bell
	MORPHIS IVA	Pacific Bell
	LIPPOLT N	Pacific Bell
	BLACKBURN H	Pacific Bell
	BOYER EMMA	Pacific Bell
	BRANICH JOHN	Pacific Bell
	GALACERAN RON D	Pacific Bell
	PENDLETON OAK E	Pacific Bell
	PECK J	Pacific Bell
	PAPEZ M	Pacific Bell

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	SULLIVAN HARRY F	Pacific Bell
	LUNA ESTELLA T	Pacific Bell
	CAGLE WM	Pacific Bell
	BUFORD W E	Pacific Bell
	CALDWELL C	Pacific Bell
	PRINGLE TRUMAN A & ALVINA M	Pacific Bell
	POWELL ARTHUR L	Pacific Bell
	POWELL ARTHUR L	Pacific Bell
	VERNON B	Pacific Bell
	CLAUSEN REETZ N & IRENE A	Pacific Bell
	RICHARDS ROBT A	Pacific Bell
	WALLER VLOSTY MRS	Pacific Bell
	CONTRATTO DORIS	Pacific Bell
	COFFMAN PHILIP F	Pacific Bell
	GRIMMETT S E	Pacific Bell
	HADDEN T S	Pacific Bell
	RUDMANN F H	Pacific Bell
	WALKER ROYDEN	Pacific Bell
	WILHELM CHAS	Pacific Bell
	WILLIS JAS L	Pacific Bell
	HAYS EARL H	Pacific Bell
	HILL STEPHEN W	Pacific Bell
	HELLEN JESSIE	Pacific Bell
	MEAD JOE T	Pacific Bell
	SANDGREN M H	Pacific Bell
1980	CATLETT EDW N GRAND AVE COVINA	Pacific Telephone
	CASTER VIRGINIA FAY N GRAND AVE COVINA	Pacific Telephone
	GALLAGHER CHAS N GRAND AVE COVINA	Pacific Telephone
	FULLER T N GRAND AVE COVINA	Pacific Telephone
	MUIR MAE N GRAND AVE COVINA	Pacific Telephone
	MORPHIS IVA N GRAND AVE COVINA	Pacific Telephone
	ROGERS BRIAN D N GRAND AVE COVINA	Pacific Telephone
	UTTER ROBT P N GRAND AVE COVINA	Pacific Telephone
	WALLER VLOSTY MRS N GRAND AVE COVINA	Pacific Telephone
	WALKER ROYDEN N GRAND AVE COVINA	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	GARBAS ANNE H N GRAND AVE COVINA	Pacific Telephone
	NACE ROBT B N GRAND AVE COVINA	Pacific Telephone
	RUDMANN F H N GRAND AVE COVINA	Pacific Telephone
	SAWYER J N GRAND AVE COVINA	Pacific Telephone
	WILLIS JAS L N GRAND AVE COVINA	Pacific Telephone
	AMUNDSON Z H N GRAND AVE COVINA	Pacific Telephone
	CONTRATTO F J N GRAND AVE COVINA	Pacific Telephone
	CLAUSEN REETZ N & IRENE A N GRAND AVE COVINA	Pacific Telephone
	COFFMAN PHILIP F N GRAND AVE COVINA	Pacific Telephone
	GILSON C M N GRAND AVE COVINA	Pacific Telephone
	ORRIS JOHN N GRAND AVE COVINA	Pacific Telephone
	WILHELM CHAS N GRAND AVE COVINA	Pacific Telephone
	AUSTIN B L N GRAND AVE COVINA	Pacific Telephone
	CRABTREE CHLOE N GRAND AVE COVINA	Pacific Telephone
	GRIMMETT S E N GRAND AVE COVINA	Pacific Telephone
	GRIMAUD J J N GRAND AVE COVINA	Pacific Telephone
	GRAFF ALBERT H N GRAND AVE COVINA	Pacific Telephone
	SMITH MARJORIE N GRAND AVE COVINA	Pacific Telephone
	SMITH ROSE N GRAND AVE COVINA	Pacific Telephone
	ZAHM LEE H N GRAND AVE COVINA	Pacific Telephone
	BALCOM B S N GRAND AVE COVINA	Pacific Telephone
	BAIRD THOS N N GRAND AVE COVINA	Pacific Telephone
	DAVIS A J N GRAND AVE COVINA	Pacific Telephone
	CUTSHAW JIM N GRAND AVE COVINA	Pacific Telephone
	HADDEN T S N GRAND AVE COVINA	Pacific Telephone
	LONGSTRETH MINTA N GRAND AVE COVINA	Pacific Telephone
	LIPPOLT N N GRAND AVE COVINA	Pacific Telephone
	LOWELL H E N GRAND AVE COVINA	Pacific Telephone
	PEREZ DON R N GRAND AVE COVINA	Pacific Telephone
	SKIPWITH H A N GRAND AVE COVINA	Pacific Telephone
	SNOW B H N GRAND AVE COVINA	Pacific Telephone
	MASON DAVID F N GRAND AVE COVINA	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	BERG HALVOR J N GRAND AVE COVINA	Pacific Telephone
	BEATTIE VIRGINIA N GRAND AVE COVINA	Pacific Telephone
	CUMMINS TERSA N GRAND AVE COVINA	Pacific Telephone
	HELLEN JESSIE N GRAND AVE COVINA	Pacific Telephone
	HAYS EARL H N GRAND AVE COVINA	Pacific Telephone
	PENDLETON OAK E N GRAND AVE COVINA	Pacific Telephone
	SULLIVAN HARRY F N GRAND AVE COVINA	Pacific Telephone
	STEZAKER FRED N GRAND AVE COVINA	Pacific Telephone
	BLACKBURN H N GRAND AVE COVINA	Pacific Telephone
	EATON EVA N GRAND AVE COVINA	Pacific Telephone
	MAYMIR KATHLEEN N GRAND AVE COVINA	Pacific Telephone
	SUGGS ETHA M N GRAND AVE COVINA	Pacific Telephone
	PRINGLE TRUMAN A & ALVINA M N GRAND AVE COVINA	Pacific Telephone
	TRIBE L B N GRAND AVE COVINA	Pacific Telephone
	THOMPSON R E N GRAND AVE COVINA	Pacific Telephone
	BROWN E M N GRAND AVE COVINA	Pacific Telephone
	BUFORD W E N GRAND AVE COVINA	Pacific Telephone
	EVANS ESTHER M N GRAND AVE COVINA	Pacific Telephone
	INGERSOLL MICKEY N GRAND AVE COVINA	Pacific Telephone
	RITCHIE LEO N GRAND AVE COVINA	Pacific Telephone
	TWOHEY EDW H N GRAND AVE COVINA	Pacific Telephone
	CALDWELL C N GRAND AVE COVINA	Pacific Telephone
	CAGLE WM N GRAND AVE COVINA	Pacific Telephone
	FOX R C N GRAND AVE COVINA	Pacific Telephone
	FLAMBOE EUGENE N GRAND AVE COVINA	Pacific Telephone
	JONES M L N GRAND AVE COVINA	Pacific Telephone
	JOHNSON MILDRED N GRAND AVE COVINA	Pacific Telephone
	MEAD JOE T N GRAND AVE COVINA	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MOBILALRE ESTATES N GRAND AVE COVINA	Pacific Telephone
	MOLLER H C MRS N GRAND AVE COVINA	Pacific Telephone
	MILLER HOMER N GRAND AVE COVINA	Pacific Telephone
	VERNON B N GRAND AVE COVINA	Pacific Telephone
	GODDERZ MARTIN N GRAND AVE COVINA	Pacific Telephone
	POWELL ARTHUR L N GRAND AVE COVINA	Pacific Telephone
1975	BALCOM B S	Pacific Telephone
	BAIRD THOS N	Pacific Telephone
	EATON EVA	Pacific Telephone
	JONES C E	Pacific Telephone
	NEEDHAM DOROTHEA	Pacific Telephone
	SMITH MARJORIE	Pacific Telephone
	JONES MARGARET J	Pacific Telephone
	BEATTIE VIRGINIA	Pacific Telephone
	KING SADIE H	Pacific Telephone
	HARRIS BEATRICE M	Pacific Telephone
	BERG HALVOR J	Pacific Telephone
	FOX R C	Pacific Telephone
	KROWS G I	Pacific Telephone
	STEZAKER FRED	Pacific Telephone
	THOMPSON P E	Pacific Telephone
	TRAWEEK COLIN	Pacific Telephone
	THOMPSON ROSE F	Pacific Telephone
	TIPPS ALICE F	Pacific Telephone
	TEESDALE GEO	Pacific Telephone
	KENNEDY LESTER A	Pacific Telephone
	PENDLETON OAK E	Pacific Telephone
	ROGERS HARLIE	Pacific Telephone
	MILLER SUSYE	Pacific Telephone
	BROWN E M	Pacific Telephone
	GARBUS ANNE H	Pacific Telephone
	POTEET NATHAN	Pacific Telephone
	PIKE HOWARD W	Pacific Telephone
	TWOHEY EDW H	Pacific Telephone
	TRIBE L B	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	MOBIL AIRE ESTATES	Pacific Telephone
	SKIPWITH H A	Pacific Telephone
	BUAAS M H CAPT	Pacific Telephone
	GALLAGHER CHAS	Pacific Telephone
	GILSON C M	Pacific Telephone
	LONGACRE DOUGLAS S	Pacific Telephone
	LONGACRE MILTON G	Pacific Telephone
	LUTES RALPH M	Pacific Telephone
	WINGARD EARL	Pacific Telephone
	CASTER VIRGINIA FAY	Pacific Telephone
	GRIMAUD J J	Pacific Telephone
	MASON DAVID F	Pacific Telephone
	LOWELL H E	Pacific Telephone
	RITCHIE LEO	Pacific Telephone
	REID HAZEL I	Pacific Telephone
	WHITAKER DAVID H	Pacific Telephone
	WALLER VIOSTY MRS	Pacific Telephone
	COFFEY ROBT B	Pacific Telephone
	CLAUSEN REETZ	Pacific Telephone
	CHRISTENSEN R M	Pacific Telephone
	WILLIS JAS L	Pacific Telephone
	ADAMS MAUDE MRS	Pacific Telephone
	CRABTREE CHIOE	Pacific Telephone
	COVINA IRRIGATING CO	Pacific Telephone
	COMAN E S	Pacific Telephone
	HAYS EARL H	Pacific Telephone
	MATHEWSON MARY V	Pacific Telephone
	MEAD JOE T	Pacific Telephone
	SANDGREN M H	Pacific Telephone
	ALLEN FRANK J	Pacific Telephone
	DAVIS ANNA J	Pacific Telephone
	DARBY M K	Pacific Telephone
	CUTSHAW JIM	Pacific Telephone
	CRAWFORD DONALD	Pacific Telephone
	HUNTER W W	Pacific Telephone
	HOLZER JAS H	Pacific Telephone
	HILDEBRANDT HARRIET BELLE	Pacific Telephone
	MOLLER H C MRS	Pacific Telephone

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<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	SAWYER H F MRS	Pacific Telephone
	SHANK RAE	Pacific Telephone
	BAUMANN W I	Pacific Telephone
	AMUNDSON Z H	Pacific Telephone
	INGERSOLL MICKEY	Pacific Telephone
	MUIR MAE	Pacific Telephone
	MORERA RAMON	Pacific Telephone
	SCHMIDT JOHN JR	Pacific Telephone
	SMITH ROSE	Pacific Telephone
	SMITH E L	Pacific Telephone
	SNOW B H	Pacific Telephone
	SMITH JOSEPHINE	Pacific Telephone
	SHERRY MARIE	Pacific Telephone
	BUELL IRMA	Pacific Telephone
	YOUNGQUIST CEO E	Pacific Telephone
	COCHRANE BERTHA	Pacific Telephone
	COFFMAN PHILIP F	Pacific Telephone
1966	BALFOUR EUNICE	Pacific Telephone
	DETRICK M K	Pacific Telephone
	HOWARD FLORENCE G MRS	Pacific Telephone
	MUELLER EMIL H PASTR	Pacific Telephone
	NEEDHAM DOROTHEA	Pacific Telephone
	MOHR F M	Pacific Telephone
	DAUGHERTY BLANCHE MRS	Pacific Telephone
	COMAN E S	Pacific Telephone
	BENSON MILDRED M	Pacific Telephone
	BEATTIE VIRGINIA	Pacific Telephone
	BEAVER PEARL	Pacific Telephone
	BENTLEY DEB E	Pacific Telephone
	BEVERLY V R	Pacific Telephone
	BERG HALVOR J	Pacific Telephone
	EATON EVA	Pacific Telephone
	JORGENSON C NORMAN	Pacific Telephone
	MOBIL AIRE TRAILER PARK	Pacific Telephone
	MUIR MAE	Pacific Telephone
	SKIPWITH H A	Pacific Telephone
	SNOW B H	Pacific Telephone
	SOKOL CLARA	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	FOX RUTH C	Pacific Telephone
	BERARD LAWRENCE L	Pacific Telephone
	FOSTER THOS E	Pacific Telephone
	KENDRICK CARA R	Pacific Telephone
	KELLY M LAVONE	Pacific Telephone
	MOUNT ROBT V	Pacific Telephone
	KROWS G I	Pacific Telephone
	KOHLMEIER GRACE E	Pacific Telephone
	HILDEBRANDT HARRIET BELLE	Pacific Telephone
	GOODE PAULINE	Pacific Telephone
	BRANDON ALICE H	Pacific Telephone
	GARRETT BEN	Pacific Telephone
	KNOLES FRANTZ OIL CLEANER SERV	Pacific Telephone
	THOMPSON ROSE F	Pacific Telephone
	EWELL V K	Pacific Telephone
	GALLAGHER CHAS	Pacific Telephone
	LESLIE A O	Pacific Telephone
	LEWIS BEULAH	Pacific Telephone
	QUARMBY LAMRORA	Pacific Telephone
	PENDLETON OAK E	Pacific Telephone
	THOMPSON DOW	Pacific Telephone
	TIPPS ALICE F	Pacific Telephone
	TWOHEY EDW H	Pacific Telephone
	STONEBRAKER ESTHER L	Pacific Telephone
	CASTER VIRGINIA FAY	Pacific Telephone
	GLIDEWELL FORREST R	Pacific Telephone
	GILLIAM DOROTHEA	Pacific Telephone
	LONGACRE MILTON G	Pacific Telephone
	LUTES RALPH M	Pacific Telephone
	MACDONALD BUCKLEY	Pacific Telephone
	RIFE ADELINE C	Pacific Telephone
	PRINGLE TRUMAN A	Pacific Telephone
	PRISK C L	Pacific Telephone
	POND MILAN N	Pacific Telephone
	TRIBE L B	Pacific Telephone
	ROGERS A M	Pacific Telephone
	ROGERS HARLLE	Pacific Telephone
	CLAUSEN REETA	Pacific Telephone
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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1966	GRAY MAE	Pacific Telephone
	GRIFFITH M M	Pacific Telephone
	GRIMAUD JULIET	Pacific Telephone
	HAWKINS HARRY M	Pacific Telephone
	MASON DAVID F	Pacific Telephone
	WELKER HATTIE L	Pacific Telephone
	WAKEFIELD EMMA MRS	Pacific Telephone
	SUTTER ERWIN T	Pacific Telephone
	MATHEWSON MARY V	Pacific Telephone
	MCHENRY WANDA S	Pacific Telephone
	MCCUTCHEON ETHEL I	Pacific Telephone
	MCMULLEN MAGDALENE I	Pacific Telephone
	SANDGREN M H	Pacific Telephone
	WILLIS JAS	Pacific Telephone
	HAYS EARL H	Pacific Telephone
	HENRY KATHLEEN H MRS	Pacific Telephone
	MEAD JOE T	Pacific Telephone
	MILLER SUSYE	Pacific Telephone
	RYAN HARRY P	Pacific Telephone
	DRUM DELMER	Pacific Telephone
	DARBY M K	Pacific Telephone
	CURTIS A MASON	Pacific Telephone
	HOLLAND JAS F	Pacific Telephone
	BALCOM BETTY SHERWOOD	Pacific Telephone
	AUERBACH FRED	Pacific Telephone
1960	HERRMANN M J	Pacific Telephone
	HILDEBRANDT HARRIET BULLE	Pacific Telephone
	MOBIL AIRE TRAILER PARK	Pacific Telephone
	SNOW B H	Pacific Telephone
	KELLY JOHN T	Pacific Telephone
	ADSIT VIOLA M	Pacific Telephone
	ALARIE FRED M	Pacific Telephone
	DARBY M K	Pacific Telephone
	DAVIDSON ALFRED	Pacific Telephone
	HOVENIER PETER J	Pacific Telephone
	MUIR A H	Pacific Telephone
	NEEDHAM STEWART	Pacific Telephone
	STONEBRAKER ESTHER L	Pacific Telephone

<u>Year</u>	<u>Uses</u>	Source
1960	STEWART TRUMAN L	Pacific
	STEPHENS BRUCE C	Pacific
	MILLER JOHN C	Pacific
	MASON DAVID F	Pacific
	THOMPSON ROSE F	Pacific
	DUTTON LEWIS H	Pacific
	PATTON W M	Pacific
	PANTON REGINALD L	Pacific
	THOMPSON OPAL E	Pacific
	TIPPS FRANK	Pacific
	FIRESTONE L V	Pacific
	FAULKNHAM E D	Pacific
	BENTLEY DEB E	Pacific
	BEVAN WM F	Pacific
	BEVERLY V R	Pacific
	FULLER VIRGINIA LEE	Pacific
	FLEMING WM R	Pacific
	FLAHERTY K E	Pacific
	FILIPIK FRANK	Pacific
	LATHAM ARLIE B	Pacific
	REISS LAURA E	Pacific
	VAN DUSENN L H	Pacific
	BON DURANT REX	Pacific
	BRANDON ALICE H	Pacific
	ROBINSON WM J	Pacific
	ROLLING ALBERT H	Pacific
	RIFE ADELINE C	Pacific
	WILSON W W MRS	Pacific
	WEST HAROLD S	Pacific
	WHITED LENARD	Pacific
	BOTTS LINDA	Pacific
	CAMP HOMER A	Pacific
	BRAVENDER VIVIAN	Pacific
	BROWN DAN W	Pacific
	BRAY HAROLD J	Pacific
	GOOKIN J OPAL	Pacific
	GRAY MAE	Pacific
	MARKMAN GRANT W	Pacific

e

Telephone Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	ROSSO J B	Pacific Telephone
	HANSON GUY	Pacific Telephone
	HAINES JEAN R MRS	Pacific Telephone
	MC CABE LEROY D	Pacific Telephone
	MC MULLEN MAGDALENE I	Pacific Telephone
	MATHEWSON J EARL	Pacific Telephone
	MARVIN WALTER J	Pacific Telephone
	BENSON MILDRED M	Pacific Telephone
	BERARD LAWRENCE L	Pacific Telephone
	COMAN ELLIS S MRS	Pacific Telephone
	CLAUSEN REETZ	Pacific Telephone
	HENRY KATHLEEN H MRS	Pacific Telephone
	MUIR A H	Pacific Telephone
	AUERBACH FRED	Pacific Telephone
	EWELL V KATCHERINE	Pacific Telephone
	MOHR F M	Pacific Telephone
1957	HANSON GUY	Pacific Telephone
	MOBILAIRE TRAILER PARK	Pacific Telephone
	VAN HORN BERT C	Pacific Telephone

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
735 North Glendora Avenue	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986,
	1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964,
	1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949,
	1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934,
	1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1004 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 East Edna Place	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 E WINGATE ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1006 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 East Edna Place	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006A E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006C E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1007 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1012 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1976, 1972, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1016 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1017 E Wingate St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1017 E Wingate St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1017 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1019 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021L E WINGATE ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 E Wingate St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 E Wingate St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1026 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1028 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1032 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1032 E Edna Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1032 E Edna Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1032 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1036 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1041 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1042 E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1042 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1044 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1044 E Edna Pl	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1044 E Edna Pl	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1046 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1047 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1052 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1053 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1053 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1053 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1056 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1056 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1056 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1058 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1058 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1058 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1059 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1060 E WINGATE ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1064 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1064 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1064 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1065 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1065 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1065 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1066 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1066 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1066 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1066 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1066 East Edna Place	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1067 E Edna Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1067 E Edna Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1069 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1069 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1070 E Wingate St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1070 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1070 E Wingate St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1074 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1077 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1078 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1078 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1078 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1078 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1079 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1080 E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1082 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1082 E Edna Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1082 E Edna Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1083 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1084 E EDGECOMB ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 E Wingate St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 E Wingate St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 E Edna Pl	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 E Edna Pl	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1107 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1107 E Wingate St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1107 E Wingate St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110A E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110C E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1112 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114A E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114B E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114C E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1116 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 E Wingate St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 E Wingate St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1137 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1138 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1138 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1138 E Edna Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1148 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1148B E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1150 E EDNA PL	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1150 E EDNA PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1150 East Edna Place	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1150A E EDNA PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1157 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1175 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1175 E Wingate St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1175 E Wingate St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1183 E WINGATE ST	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
1203 E WINGATE ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1242 E EDNA PL	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1242 East Edna Place	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
401 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
402 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
404 1/2 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
404 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
405 1/2 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
405 N JENIFER AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
405 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
406 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
409 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
410 1/2 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
410 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
413 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
414 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
415 N JENIFER AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
415 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
416 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
418 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 1/2 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
424 1/2 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
424 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
425 N JENIFER AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
425 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
426 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
428 N JENIFER AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 1/2 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
433 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
434 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
436 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
438 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
443 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
443 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
446 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
446 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
451 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
451 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
454 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
456 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
459 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
459 N Jenifer Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
459 N Jenifer Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
461 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
464 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
464 N Jenifer Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
464 N Jenifer Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
466 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
469 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
469 N Jenifer Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
469 N Jenifer Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
469 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
472 N JENIFER AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
476 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
479 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
486 N NEARGLEN AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
604 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
605 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
609 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
611 North Grand Avenue	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
612 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
618 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source
620 DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
621 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
622 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
624 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
630 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
632 North Grand Avenue	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
636 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source		
640 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
642 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
645 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
645 N GRAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
645 North Grand Avenue	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
648 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
651 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
654 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
657 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
663 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
666 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		

Address Researched	Address Not Identified in Research Source
669 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
702 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
703 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
708 DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
709 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
710 DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
714 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
715 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
716 North Grand Avenue	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
720 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
721 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Address Researched	Address Not Identified in Research Source		
726 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
727 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
733 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
733 N Dodsworth Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
733 N Dodsworth Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
735 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
737 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
737 N Dodsworth Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
737 N Dodsworth Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
744 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
745 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		

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745 N Dodsworth Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
745 N Dodsworth Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
747 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
749 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
750 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
751 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
752 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
753 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
754 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
755 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
756 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		

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758 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
759 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
761 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
762 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
762 N Dodsworth Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
762 N Dodsworth Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
763 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
765 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
766 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
767 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		

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770 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
771 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
774 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
777 N DODSWORTH AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
800 N CUMMINGS RD	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
800 N Cummings Rd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
800 N Cummings Rd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
810 N CUMMINGS RD	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
813 N CUMMINGS RD	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		
813 N Cummings Rd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920		

Address Researched	Address Not Identified in Research Source
813 N Cummings Rd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 North Glendora Avenue	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
818 CUMMINGS RD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
818 N CUMMINGS RD	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
820 N CUMMINGS RD	2014, 2010, 2006, 2004, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Kahler Russell Park 735 North Glendora Avenue Covina, CA 91724

Inquiry Number: 5091224.3 October 30, 2017

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

Site Name:

Kahler Russell Park 735 North Glendora Avenue Covina, CA 91724 EDR Inquiry # 5091224.3

Tetra Tech Inc. 17885 Von Karman Ave Irvine, CA 92614 Contact: Tanya Maclean

Client Name:



10/30/17

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results: Certification # 60D4-456B-B255 PO# NA T37741 T2 Project

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 #: 60D4-456B-B255

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	Library of	Congress
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University Publications of America

EDR Private Collection

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Kahler Russell Park 735 North Glendora Avenue Covina, CA 91724

Inquiry Number: 5091224.4 October 30, 2017

EDR Historical Topo Map Report with QuadMatch™



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

EDR Historical Topo Map Report

Site Name:

Client Name:

Kahler Russell Park 735 North Glendora Avenue Covina, CA 91724 EDR Inquiry # 5091224.4 Tetra Tech Inc. 17885 Von Karman Ave Irvine, CA 92614 Contact: Tanya Maclean



10/30/17

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Search Results	:	Coordinates:	
P.O.# Project:	NA T37741 T2	Latitude: Longitude: UTM Zone: UTM X Meters: UTM Y Meters:	34.09248 34° 5' 33" North -117.86821 -117° 52' 6" West Zone 11 North 419908.53 3772750.21
		Elevation:	640.00' above sea level
Maps Provided	:		
2012 1981 1972 1966 1953, 1954	1904 1898 1897 1894		
1939 1927 1925			

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



San Dimas 2012 7.5-minute, 24000



Baldwin Park 2012 7.5-minute, 24000

1981 Source Sheets



Baldwin Park 1981 7.5-minute, 24000 Aerial Photo Revised 1978



San Dimas 1981 7.5-minute, 24000 Aerial Photo Revised 1978

1972 Source Sheets



San Dimas 1972 7.5-minute, 24000 Aerial Photo Revised 1972



Baldwin Park 1972 7.5-minute, 24000 Aerial Photo Revised 1972

1966 Source Sheets



Baldwin Park 1966 7.5-minute, 24000 Aerial Photo Revised 1964



San Dimas 1966 7.5-minute, 24000 Aerial Photo Revised 1964

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953, 1954 Source Sheets



Baldwin Park 1953 7.5-minute, 24000 Aerial Photo Revised 1952

1939 Source Sheets



Glendora 1939 7.5-minute, 24000

1927 Source Sheets



Covina 1927 7.5-minute, 24000



Glendora 1927 7.5-minute, 24000

1925 Source Sheets



Glendora 1925 7.5-minute, 24000



San Dimas 1954 7.5-minute, 24000 Aerial Photo Revised 1952
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1904 Source Sheets



Pomona 1904 15-minute, 62500

1898 Source Sheets



Pomona 1898 15-minute, 62500

1897 Source Sheets



Pomona 1897 15-minute, 62500

1894 Source Sheets



Pomona 1894 15-minute, 62500























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5091224 - 4 page 11





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SE

5091224 - 4

page 13









ADDRESS:

CLIENT:

735 North Glendora Avenue

Covina, CA 91724

Tetra Tech Inc.











Covina, CA 91724

Tetra Tech Inc.

CLIENT:



S

SE

5091224 - 4 page 17

APPENDIX D ADDITIONAL RELEVANT DOCUMENTATION

Property Information	
Assessor's ID No:	8428-015-902
Address:	735 N GLENDORA AVE COVINA CA 91724
Property Type:	Other
Region / Cluster:	06 / 06122
Tax Rate Area (TRA):	02643
• View Assessor Map	

View Index map •

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2016 Roll Values

Recording Date:	03/21/1968
Land:	\$0
Improvements:	\$0
Personal Property:	\$0
Fixtures:	\$0
Homeowners' Exemption:	\$0
Real Estate Exemption:	\$0
Personal Property Exemption:	\$0
Fixture Exemptions:	\$0
Tax bill payment informa	ation for 2016/17, as well as any changes to the 2016 Roll Values will be available after September

• Estimate supplemental taxes

Property Boundary Description

LOT (EX OF STS) COM AT NW COR OF LOT 2 BERLIN HEIGHTS TR TH S ON W LINE OF SD LOT TO N LINE OF TR NO 20675 TH E ON SD N LINE AND E PROLONGATION THEREOF TO W ... SEE MAPBOOK FOR MISSING PORTION ... PART OF LOT 2 BERLIN HEIGHTS TRACT

Building Description

30, 2016



Property Information	
Assessor's ID No:	8428-023-901
Address:	Address Not Available
Property Type:	Other
Region / Cluster:	06 / 06122
Tax Rate Area (TRA):	02643
View Assessor MapView Index map	

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2016 Roll Values

Recording Date:	11/07/1969
Land:	\$0
Improvements:	\$0
Personal Property:	\$0
Fixtures:	\$0
Homeowners' Exemption:	\$0
Real Estate Exemption:	\$0
Personal Property Exemption:	\$0
Fixture Exemptions:	\$0
Tax bill payment informa	tion for 2016/17, as well as any changes to the 2016 Roll Values will be available after September 30, 2016
• Estimate supplemental	taxes
Property Boundary Des	cription
TRACT NO 20678 N 72.65	FT (MEASURED

ON E AND W LINES) OF

Building Description







FOR PREV. ASSM'T. SEE: 8423 - 20

ASSESSOR'S MAP COUNTY OF LOS ANGELES, CALIF.



San Gabriel Valley Groundwater Basin

- Groundwater Basin Number: 4-13
- County: Los Angeles
- Surface Area: 154,000 acres (255 square miles)

Basin Boundaries and Hydrology

The San Gabriel Valley Groundwater Basin is located in eastern Los Angeles County and includes the water-bearing sediments underlying most of the San Gabriel Valley and includes a portion of the upper Santa Ana Valley that lies in Los Angeles County. This basin is bounded on the north by the Raymond fault and the contact between Quaternary sediments and consolidated basement rocks of the San Gabriel Mountains. Exposed consolidated rocks of the Repetto, Merced, and Puente Hills bound the basin on the south and west, and the Chino fault and the San Jose fault form the eastern boundary (DWR 1966). The Rio Hondo and San Gabriel drainages have their headwaters in the San Gabriel Mountains, then surface water flows southwest across the San Gabriel Valley and exit through the Whittier Narrows, a gap between the Merced and Puente Hills. Precipitation in the basin ranges from 15 to 31 inches, and averages around 19 inches.

Hydrogeologic Information *Water Bearing Formations*

The water-bearing materials of this basin are dominated by unconsolidated to semi-consolidated alluvium deposited by streams flowing out of the San Gabriel Mountains. These deposits include Pleistocene and Holocene alluvium and the lower Pleistocene San Pedro Formation.

Alluvium. Holocene alluvium generally forms alluvial fans along the San Gabriel Mountains and stream deposits that follow the course of the major streams and rivers across the valley. This young alluvium reaches 100 feet in thickness and although is typically above the water table, allows effective percolation of surface water in the basin. Specific yields average 8 percent in the east, 9 to 10 percent in the west and 14 percent in the center of the basin (DWR 1966). Upper Pleistocene alluvium deposits form most of the productive water-bearing deposits in this basin. They consist of unsorted, angular to sub-rounded sedimentary deposits ranging from boulder-bearing gravels near the San Gabriel Mountains to sands and silts in the central and western parts of the basin. Thickness varies from 40 feet in the north to about 4,100 feet in the central portion of the basin (DWR 1966).

San Pedro Formation. The lower Pleistocene San Pedro Formation consists of interbedded marine sand, gravel, and silt (DWR 1966). This formation bears fresh water and reaches a maximum thickness of about 2,000 feet and may grade eastward into continental deposits indistinguishable from the overlying Pleistocene age alluvium (DWR 1966).

Restrictive Structures

The exposed consolidated rocks in the Merced, Repetto, and Puente Hills form barriers to groundwater flow to the south and southwest. South Hill, in the northeastern portion of the basin, is emergent basement that diverts groundwater flow around it. The Raymond fault is an east-northeast trending structure forming the boundary between the Raymond Groundwater Basin and this basin. This fault is a complete barrier along its western end and becomes less effective east of Santa Anita Wash allowing groundwater flow into the San Gabriel Valley Groundwater Basin (DWR 1966). The Lone Hill – Way Hill fault system trends northeast and displaces the water table about 150 feet down to the south (DWR 1966). The Sierra Madre fault system trends east along the front of the San Gabriel Mountains and displaces the water table about 250 feet down to the south. Along the eastern boundary of the basin, the Chino and San Jose faults also are partial water barriers, separating groundwater flow within the San Gabriel Valley Groundwater Basin and the Chino subbasin of the Upper Santa Ana River Valley Groundwater Basin.

Recharge Areas

Recharge of the basin is mainly from direct percolation of precipitation and percolation of stream flow. Stream flow is a combination of runoff from the surrounding mountains, imported water conveyed in the San Gabriel River channel to spreading grounds in the Central subbasin of the Coastal Plain of Los Angeles Groundwater Basin, and treated sewage effluent (DWR 1966). Subsurface flow enters from the Raymond Basin, from the Chino subbasin and from fracture systems along the San Gabriel Mountain front (DWR 1966; DWR 1971).

Groundwater Level Trends

The groundwater level in the Baldwin Park Key Well is used by the Main San Gabriel Basin Watermaster to monitor changes in groundwater supply for the basin. The water level in this well has fluctuated over 95 feet in elevation over the last 20 years from a high in 1983 to a low in 1991 (MSGBW 1999). Since 1993, the water level in this well has only varied over a range of about 30 feet and in 1999 was within about 10 feet of its 200year mean (MSGBW 1999).

Groundwater levels generally follow topographic slope, with groundwater flow from the edges of the basin toward the center of the basin, then southwestward to exit through the Whittier Narrows (DWR 1966) which is a structural and topographic low. Extraction patterns of groundwater can alter this general flow pattern by creating local depressions in the water table.

Groundwater Storage

Groundwater Storage Capacity. The storage capacity of the San Gabriel Valley Groundwater Basin was estimated to be 10,438,000 af by DWR (1975). Changes to this report from the DWR (1975) report include removal of the Raymond Groundwater Basin (new basin 4-23) and addition of the Upper Santa Ana Valley (old basin 4-14). The storage capacity of the Raymond Basin is about 450,000 af and the storage capacity of the Upper Santa Ana Valley Basin is about 750,000 af (DWR 1975). Taking these changes into account suggests that the storage capacity of the San Gabriel Valley Basin is about 10,740,000 af.

Groundwater in Storage. Groundwater Budget (Type A)

There is not enough data available to put together a complete water budget for this basin. The basin is occupied by four major water agencies, which monitor four different regions of the basin. The Main San Gabriel Basin Watermaster monitors the largest portion in the northwest, central and northeast region of the basin. The Puente Basin Watermaster monitors the southern portion of the basin. In the southeast part of the basin, groundwater is not monitored by any agency, and very little data is collected. The Six Basins Watermaster monitors the eastern portion of the basin. From these agencies, it was determined that for water year 1998-99 inflow due to precipitation was 164,000 af (Smead 2000) for the main portion of the basin, 21,372 af (SBWM 2000) for the eastern portion and 896 af (SBWM 2000) for the southern portion. The value for the southeast region was unable to be determined. Artificial recharge for the regions of the basin are as follows; the main portion recharged 82,300 af (Smead 2000), the eastern region recharged 503 AF (SBWM 2000), the rest of the basin makes no contribution to artificial recharge. It was not determined whether or not the basin received water from either applied water recharge, or subsurface inflow from neighboring basins. Urban extractions put the greatest demand on the basin. In the main portion of the basin, 245,000 af (MSGBW 1999) were extracted for urban use. In the south and southeast regions, the extractions were 619 af (PBWM 1999) and 520 af (Smith 2000) respectively. The eastern region of the basin extracted 21,849 af (SBWM 2000). The only extractions in the basin for agricultural use were in the main portion of the basin, and account for 1,500 af (MSGBW 1999). In eastern portion of the basin 26 af (SBWM 2000) of water was extracted from the basin as part of a "Special Projects" operation. In the southern region of the basin 267.5 af (PBWM 1999) of water was extracted for the purpose of basin cleanup. Subsurface flow from the basin accounts for over 27,000 af (SGRW, 2000). This water flows through the Whittier Narrows and into Central Basin.

Groundwater Quality

Characterization. Water within the basin is primarily calcium bicarbonate in character. In the north, west and central regions of the basin, TDS ranges from 90 to 4,288 mg/l and averages around 367 mg/l (DWR unpublished data). In the southern portion of the basin the TDS averages around 1,222 mg/l (PBWM 1999). TDS content ranges from 500 to 1,500 mg/l in the eastern part of the basin (Smith 2000), and from 200 to 500 mg/L in the northeast part (JMM 1985). Data from 259 public supply wells shows an average TDS content of 318 mg/L and a range of 172 to 914 mg/L.

Impairments. Four areas of the San Gabriel Valley Groundwater Basin are Superfund Sites. Trichloroethylene, Perchloroethylene, and Carbon Tetrachloride contaminate the Whittier Narrows, Puente basin, Baldwin Park and El Monte areas (DWR 1998).

Within the Six Basins Area there exists high levels of nitrates in the northeastern part of the Pomona Basin, and a plume of volatile organic compounds occupies the southern portion of Pomona Basin. (SBWM 2000).

The Puente Basin has numerous sites where clean-up operations are in affect. There is an EPA assigned Superfund Site, the Puente Valley Operable Unit, which is cleaning up plumes of TCE and PCE. (EPA 1998).

Constituent Group ¹	Number of wells sampled ²	Number of wells with a concentration above an MCL ³
Inorganics – Primary	287	3
Radiological	278	4
Nitrates	300	73
Pesticides	292	1
VOCs and SVOCs	301	85
Inorganics – Secondary	287	20

Water Quality in Public Supply Wells

¹ A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater* – *Bulletin 118* by DWR (2003).

Bulletin 118 by DWR (2003).
 ² Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.
 ³ Fach well reserves the state of the state of

³ Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Production characteristics

	Well yields (gal/min)	
Municipal/Irrigation	Max: - 4,580	Average: 1,000 (MSGBW 2000).
Total depths (ft)		(
Domestic	Range: 70 – 150 (Garcia 2000).	
Municipal/Irrigation	()	

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
USGS	Groundwater levels	60
USGS	Miscellaneous water quality	1
Department of	Title 22 water	259
Health Services and cooperators	quality	
Los Angeles County Department of Public Works	Water quality	88 wells
Main San Gabriel Basin Watermaster	Water levels	1 well/ monthly
Main San Gabriel Basin Watermaster	Water quality	200 wells/ quarterly to once every 4 years (Williams 1995; MSGBW 2000).
Rowland Water District	Water quality	1 well/ yearly (PBWM 1999)

Walnut Valley WD	Water quality	1 well/ quarterly (PBWM 1999)
DWR	Water levels	3 wells/ monthly (Smith 2000)
Department of Health Services and cooperators	Water Levels	3 wells/ monthly (Smith 2000)
DWR	Water Quality	3 wells/ quarterly (Smith 2000)
Department of Health Services and cooperators	Water Quality	3 wells/ quarterly (Smith 2000)

Basin Management

Groundwater management:	The San Gabriel Valley Basin was adjudicated in January 1973 as the "Main San Gabriel Basin" which does not include the Puente Narrows portion of the basin. Management is based on an operating safe yield, which is redefined on a yearly basis by the Main San Gabriel Basin Watermaster. In 1998 the Six Basins Watermaster was formed in an effort to control groundwater levels in the Six Basins area. The Six Basins area is comprised of the Ganesha, Live Oak, Pomona, Upper Claremont Heights, Lower Claremont Heights and Canyon Groundwater Basins. The watermaster manages the basins based on an operating safe yield. The Puente Basin was adjudicated in 1986. With the Judgment a safe yield was established, that was divided up and assigned to each of the Principle Parties. The Judgment also laid out a physical solution for the management of the basin. Currently there is no management of the Spadra Basin.
Water agencies Public Private	City of Alhambra, City of Arcadia, City of Azusa, City of El Monte, City of Glendora, City of Industry Waterworks System, La Puente Valley County Water District, County of Los Angeles, City of Monrovia, City of Montery Park, San Gabriel CWD, City of South Pasadena, City of Whittier, City of La Vern, City of Pomona, Pomona College, City of Upland, City of Industry, Rowland WD, Walnut Valley WD. Adams Ranch MWC, Amarillo MWC, Azusa Valley WC, California-American WC, California Domestic WC, Champion MWC, Del Rio MWC, East Pasadena WC, Limited, Hemlock MWC, Rurban Homes MWC, San Gabriel Valley WC, Southern California WC, Sterling MWC, Suburban Water Systems, Sunny Slope WC Valencia Heights WC, Valley View MWC, San Antonio WC, Southern California WC, West End Consolidated WC.

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Errata

Changes made to the basin description will be noted here.



USDA Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey

Area of Interest (AOI)Image: Spoil AreaImage: Area of Interest (AOI)Image: Story SpotSoilsImage: Spoil AreaImage: Soil Map Unit PolygonsImage: Very Story SpotImage: Soil Map Unit PolygonsImage: Very Story SpotImage: Soil Map Unit PointsImage: Special Line FeaturesImage: Special Point FeaturesImage: Special Line FeaturesImage: Special Point PointsImage: Special Point Point PointsImage: Special Point PointsImage: Special Point Point Point Points <td< th=""></td<>
Soils Very Stony Spot Soil Map Unit Polygons Wet Spot Soil Map Unit Lines Other Soil Map Unit Points Special Line Features Special Features Water Features Blowout Mater Features Borrow Pit Streams and Canals Clay Spot Herial Singer Sing
 Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1002	Urban land-Palmview-Tujunga complex, 0 to 5 percent slopes	10.0	55.3%
1138	Urban land-Azuvina- Montebello complex, 0 to 5 percent slopes	8.1	44.7%
Totals for Area of Interest	•	18.2	100.0%



Report — Map Unit Description

Los Angeles County, California, Southeastern Part

1138-Urban land-Azuvina-Montebello complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2pt42 Elevation: 70 to 1,420 feet Mean annual precipitation: 14 to 23 inches Mean annual air temperature: 64 to 66 degrees F Frost-free period: 355 to 365 days Farmland classification: Prime farmland if irrigated

Map Unit Composition

Urban land: 45 percent Azuvina and similar soils: 25 percent Montebello and similar soils: 20 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Fan remnants

Properties and qualities

Slope: 0 to 8 percent *Depth to restrictive feature:* 0 inches to manufactured layer *Runoff class:* Very high

Interpretive groups

Land capability classification (irrigated): None specified *Land capability classification (nonirrigated):* 8 *Hydric soil rating:* No

Description of Azuvina

Setting

Landform: Fan remnants Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Parent material: Discontinuous human-transported material over old alluvium derived from granite

Typical profile

^A1 - 0 to 5 inches: loam
^A2 - 5 to 14 inches: loam
2Bt1 - 14 to 24 inches: clay loam
2Bt2 - 24 to 43 inches: sandy clay loam
2Bct1 - 43 to 57 inches: loam
2Bct2 - 57 to 79 inches: fine sandy loam

Properties and qualities

Slope: 0 to 8 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Well drained Runoff class: Medium Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr) Depth to water table: More than 80 inches Frequency of flooding: None Frequency of ponding: None Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm) Sodium adsorption ratio, maximum in profile: 8.0 Available water storage in profile: High (about 9.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 3e Hydrologic Soil Group: C Hydric soil rating: No

Description of Montebello

Setting

Landform: Fan remnants Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Parent material: Human-transported material over alluvium derived from granite

Typical profile

^*A* - 0 to 4 inches: silt loam ^*C* - 4 to 34 inches: clay loam 2Bt1 - 34 to 53 inches: loam 2Bt2 - 53 to 79 inches: loam

Properties and qualities

Slope: 0 to 8 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Well drained Runoff class: Low Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr) Depth to water table: More than 80 inches Frequency of flooding: None Frequency of ponding: None Calcium carbonate, maximum in profile: 2 percent Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) Sodium adsorption ratio, maximum in profile: 5.0 Available water storage in profile: High (about 10.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified *Land capability classification (nonirrigated):* 3e *Hydrologic Soil Group:* C *Hydric soil rating:* No

Minor Components

Palmview

Percent of map unit: 5 percent Landform: Fan remnants Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Pachic argixerolls, fine

Percent of map unit: 5 percent Landform: Fan remnants Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No Description — Map Unit Description

Report — Map Unit Description

Los Angeles County, California, Southeastern Part

1002-Urban land-Palmview-Tujunga complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2pt3t Elevation: 240 to 1,990 feet Mean annual precipitation: 15 to 30 inches Mean annual air temperature: 63 to 66 degrees F Frost-free period: 350 to 365 days Farmland classification: Prime farmland if irrigated

Map Unit Composition

Urban land: 45 percent *Palmview and similar soils:* 25 percent *Tujunga and similar soils:* 20 percent *Minor components:* 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Alluvial fans

Properties and qualities

Slope: 0 to 5 percent Depth to restrictive feature: 0 inches to manufactured layer Runoff class: Very high Frequency of flooding: Rare

Interpretive groups

Land capability classification (irrigated): None specified *Land capability classification (nonirrigated):* 8 *Hydric soil rating:* No

Description of Palmview

Setting

Landform: Alluvial fans Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Parent material: Discontinuous human-transported material over alluvium derived from granite

Typical profile

^A - 0 to 5 inches: fine sandy loam
^Au - 5 to 15 inches: fine sandy loam
2C1 - 15 to 45 inches: fine sandy loam
2C2 - 45 to 55 inches: fine sandy loam
2C3 - 55 to 79 inches: fine sandy loam

Properties and qualities

Slope: 0 to 5 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Well drained Runoff class: Very low Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr) Depth to water table: More than 80 inches Frequency of flooding: Rare Frequency of ponding: None Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) Available water storage in profile: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified *Land capability classification (nonirrigated):* 3e *Hydrologic Soil Group:* B *Hydric soil rating:* No

Description of Tujunga

Setting

Landform: Alluvial fans Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Parent material: Discontinuous human-transported material over alluvium derived from granite

Typical profile

^Au - 0 to 6 inches: sandy loam
 2C1 - 6 to 35 inches: loamy sand
 2C2 - 35 to 72 inches: loamy sand

Properties and qualities

Slope: 0 to 5 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Somewhat excessively drained Runoff class: Negligible Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr) Depth to water table: More than 80 inches Frequency of flooding: Rare Frequency of ponding: None Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm) Available water storage in profile: Low (about 4.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 3e Hydrologic Soil Group: A Hydric soil rating: No

Minor Components

Typic xerorthents, sandy substratum

Percent of map unit: 5 percent Landform: Alluvial fans Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

San emigdio

Percent of map unit: 5 percent Landform: Flood plains Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No


Department of Public Works dpw.lacounty.gov

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Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

Date Printed: Nov 22, 2017





Search Again

Facility ID	Facility Name	Facility Address	RECLAIM	Title V	Facility Status
<u>38915</u>	EG&G ALMOND INSTRUMENTS	803 N GLENDORA AVE, COVINA, CA 91724			
<u>105448</u>	LA PALMA	832 N GLENDORA AVE , COVINA, CA 91724			ACTIVE
<u>83516</u>	ROYAL OAK INTERMEDIATE SCHOOL	303 S GLENDORA AVE, COVINA, CA 91724			ACTIVE
<u>39802</u>	UNION DELAER, ROBERT WELCH	856 N GLENDORA AVE, COVINA, CA 91724			
<u>46810</u>	UNION DLR, AHMAD AKHTEH	856 N GLENDORA AVE, COVINA, CA 91724			
<u>30739</u>	UNION DLR, HANI GHATTAS	856 N GLENDORA AVE , COVINA, CA 91722			
42889	UNION DLR, ROBERT CRABTREE	856 N GLENDORA AVE , COVINA, CA 91724			

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Water Boards Storm Water Multiple Application & Report Tracking System

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App ID	WDID	Application Type	Status	Status Date	Owner/Operator Name & Address	Site/Facility Name & Address	NOI Form	Attachments	Receipt Letter
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U.S. Fish and Wildlife Service National Wetlands Inventory

Wetlands



November 22, 2017

Wetlands



Estuarine and Marine Deepwater

Estuarine and Marine Wetland

- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Enter Riparian Classification code:	(Example: Rp2FO6SC)

DECODE

Description for code Rp1FO :

- Rp System Riparian.
- 1 Subsystem Lotic: Related to or living in flowing water.

FO Class Forested: Woody vegetation greater than 6 meters in height.

Last updated: May 11, 2010

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PISH & WILDLIPE SHRVER	U.S. Fish & Wildlife Serv	ands Inventory
		Ecological Services
Enter Classificat	tion code:	(Example: L1UB1Hx)
Optional: For ge	ographically specific info	rmation*, please enter a State code: (Example: TX for Texas)

CLICK HERE TO DECODE

Description for code **PFOAx** (this code does not meet the Federal Wetland Classification Standard, but is used in historic and/or scalable data):

- P System PALUSTRINE: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- FO Class FORESTED: Characterized by woody vegetation that is 6 m tall or taller.
- A Water Regime **Temporary Flooded**: Surface water is present for brief periods (from a few days to a few weeks) during the growing season, but the water table usually lies well below the ground surface for the most of the season.

Other Modifier(s):

x SPECIAL MODIFIER **Excavated**: This Modifier is used to identify wetland basins or channels that were excavated by humans.



Enter Riparian Classification code:	(Example: Rp2FO6SC)

DECODE

Description for code Rp1FO :

- Rp System Riparian.
- 1 Subsystem Lotic: Related to or living in flowing water.

FO Class Forested: Woody vegetation greater than 6 meters in height.

Last updated: May 11, 2010

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Definitions of FEMA Flood Zone Designations

Flood zones are geographic areas that the FEMA has defined according to varying levels of flood risk. These zones are depicted on a community's Flood Insurance Rate Map (FIRM) or Flood Hazard Boundary Map. Each zone reflects the severity or type of flooding in the area.

Moderate to Low Risk Areas

In communities that participate in the NFIP, flood insurance is available to all property owners and renters in these zones:

ZONE	DESCRIPTION
B and X (shaded)	Area of moderate flood hazard, usually the area between the limits of the 100- year and 500-year floods. B Zones are also used to designate base floodplains of lesser hazards, such as areas protected by levees from 100-year flood, or shallow flooding areas with average depths of less than one foot or drainage areas less than 1 square mile.
C and X (unshaded)	Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level. Zone C may have ponding and local drainage problems that don't warrant a detailed study or designation as base floodplain. Zone X is the area determined to be outside the 500-year flood and protected by levee from 100- year flood.

High Risk Areas

In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones:

ZONE	DESCRIPTION
Α	Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones.
AE	The base floodplain where base flood elevations are provided. AE Zones are now used on new format FIRMs instead of A1-A30 Zones.
A1-30	These are known as numbered A Zones (e.g., A7 or A14). This is the base floodplain where the FIRM shows a BFE (old format).
АН	Areas with a 1% annual chance of shallow flooding, usually in the form of a pond, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones.
AO	River or stream flood hazard areas, and areas with a 1% or greater chance of shallow flooding each year, usually in the form of sheet flow, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Average flood depths derived from detailed analyses are shown within these zones.
AR	Areas with a temporarily increased flood risk due to the building or restoration of a flood control system (such as a levee or a dam). Mandatory flood insurance purchase requirements will apply, but rates will not exceed the rates for unnumbered A zones if the structure is built or restored in compliance with Zone AR floodplain management regulations.
A99	Areas with a 1% annual chance of flooding that will be protected by a Federal flood control system where construction has reached specified legal requirements. No depths or base flood elevations are shown within these zones.

High Risk - Coastal Areas

In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones.

ZONE	DESCRIPTION
V	Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. No base flood elevations are shown within these zones.
VE, V1 - 30	Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones.

Undetermined Risk Areas

ZONE	DESCRIPTION
D	Areas with possible but undetermined flood hazards. No flood hazard analysis has been
	conducted. Flood insurance rates are commensurate with the uncertainty of the flood
	risk.

From FEMA Map Service Center:

http://msc.fema.gov/webapp/wcs/stores/servlet/info?storeId=10001&catalogId=10001&langId=-1&content=floodZones&title=FEMA%20Flood%20Zone%20Designations



GEOTECHNICAL SERVICES KAHLER RUSSELL PARK UPPER SAN GABRIEL RIVER EWMP LOS ANGELES COUNTY, CALIFORNIA TASK ORDER NO. T10503269-102669-OM

PREPARED FOR:

MWH Americas 300 North Lake Avenue, Suite 400 Pasadena, California 91101

PREPARED BY:

Ninyo & Moore Geotechnical and Environmental Sciences Consultants 5710 Ruffin Road San Diego, California 92123

> June 3, 2015 Project No. 107900001

5710 Ruffin Road · San Diego, California 92123 · Phone (858) 576-1000 · Fax (858) 576-9600



June 3, 2015 Project No. 107900001

Ms. Bronwyn Kelly MWH Americas 300 North Lake Avenue, Suite 400 Pasadena, California 91101

Subject: Geotechnical Services Kahler Russell Park Upper San Gabriel River EWMP Los Angeles County, California Task Order No. T10503269-102669-OM

Dear Ms. Kelly:

In accordance with your authorization and task order dated January 21, 2015, we have performed geotechnical services at Kahler Russell Park for the Upper San Gabriel River Enhanced Watershed Management Program (EWMP) project in Los Angeles County, California. This report presents geotechnical data obtained by Ninyo & Moore relative to the proposed project. We appreciate the opportunity to be of service on this project.

Sincerely, NINYO & MOORE

William Z. Morriga

William Morrison, PE, GE Senior Engineer

CAT/WRM/GTF/KHM/gg

Distribution: (1) Addressee (via e-mail)



Gregory T. Farrand, PG, CEG Principal Geologist



5710 Ruffin Road • San Diego, California 92123 • Phone (858) 576-1000 • Fax (858) 576-9600

TABLE OF CONTENTS

rage

1.	INTRODUCTION						
2.	SCOPE OF SERVICES						
3.	PROJECT AND SITE DESCRIPTION						
4.	SUBSURFACE EXPLORATION AND LABORATORY TESTING						
5.	GEOLOGY AND SUBSURFACE CONDITIONS35.1. Regional and Geologic Setting35.2. Site Geology35.2.1. Fill45.2.2. Alluvium45.3. Groundwater4						
6.	FAULTING AND SEISMICITY						
7.	OTHER GEOTECHNICAL CONSIDERATIONS						
8.	DISCUSSION AND FINDINGS7						
9.	PRELIMINARY RECOMMENDATIONS89.1. Site Preparation99.2. Materials for Fill99.3. Compacted Fill99.4. Utility Trench Backfill109.5. Preliminary Foundation Recommendations119.6. Concrete129.7. Plan Review and Construction Observation12						
10.	LIMITATIONS						
11.	REFERENCES						

Figures

Figure	1 –	Sit	e Lo	cati	ion
Figure	2 –	Bo	ring	Lo	cation
Figure	3 –	Ge	olog	у	
T ¹	4	г	14 T		· •

Figure 4 – Fault Locations

Appendices

Appendix A – Boring Logs Appendix B – Laboratory Testing

Ninyo « Moore

1. INTRODUCTION

In accordance with your authorization and task order dated January 21, 2015, we have performed geotechnical services at Kahler Russell Park for the Upper San Gabriel River Enhanced Watershed Management Program (EWMP) project in Los Angeles County, California (Figure 1). This report presents a compilation of geotechnical data obtained from the project along with preliminary evaluation of potential geotechnical factors that could affect the conceptual design of the project. We understand that the information contained herein will be included in the environmental report.

2. SCOPE OF SERVICES

Ninyo & Moore's scope of services for this project included review of pertinent background data, performance of a geologic reconnaissance, and subsurface exploration with regard to the proposed project. Specifically, we performed the following tasks:

- Review of readily available background materials, including State of California Seismic Hazards Zones map, State of California Earthquake Fault Zone map (Alquist-Priolo Special Studies Zones map), other published geologic maps and literature, in-house information, stereoscopic aerial photographs, and plans provided by the client.
- Performance of a site reconnaissance to observe the existing conditions at the site and to mark the proposed boring location for utility clearance. Mark-out of potential existing underground utilities was conducted through Underground Service Alert (USA).
- Performing a subsurface exploration consisting of drilling, logging and sampling of one exploratory soil boring at the site. The boring was advanced to a depth of 100.5 feet using a truck-mounted drill rig equipped with hollow stem augers.
- Performing geotechnical laboratory testing on soil samples collected during our subsurface exploration. The testing included an evaluation of moisture content, in-situ moisture and dry density, grain-size analysis (sieve and 200 wash), direct shear, and soil corrosivity.
- Compiling the data obtained from our background research, subsurface exploration, and laboratory testing.
- Preparing this report that presents geotechnical data obtained from our background review, site reconnaissance, and subsurface exploration at the project site, along with preliminary evaluation of potential geotechnical factors that could affect the conceptual design of the project.



3. PROJECT AND SITE DESCRIPTION

The purpose of the project is to assist MWH Americas (MWH) and the Los Angeles County Department of Public Works (LADPW) in developing an Enhanced Watershed Management Program (EWMP) for the Upper San Gabriel River Watershed. Our services are intended to help support feasibility analyses being conducted by MWH and LADPW for Better Management Practices (BMPs) at specific locations as part of the EWMP. We understand that the BMPs will help to reduce the impact of storm water and non-storm water discharges on the area (MWH, 2014).

Ten separate sites located within the San Gabriel Valley in Los Angeles County, California have been selected for feasibility analyses for the project. This report addresses the Kahler Russell County Park site, which is located at 735 North Glendora Avenue in the city of Covina (Figures 1 and 2). Kahler Russell Park is maintained by the County of Los Angeles. Geotechnical evaluations for the other nine sites are addressed in reports that are being issued under separate covers (Ninyo & Moore, 2015a through 2015i).

Kahler Russell County Park is developed with improvements that include restroom and recreation center buildings, softball/baseball fields, tennis and basketball courts, a roller hockey rink, asphalt concrete (AC) paved parking lots, paved and unpaved walkways, playground equipment, light poles, landscaping consisting of trees, shrubs, and grass areas, and other associated appurtenances. The site for the proposed improvements is located in a grass area in the northeast portion of the park between the tennis courts and the parking lot. The site coordinates are approximately 34.0938°N latitude and -117.8650°W longitude. Elevations at the project site range from approximately 620 feet above mean sea level (MSL) at the west end of the park to roughly 660 feet MSL at the east end of the park.

4. SUBSURFACE EXPLORATION AND LABORATORY TESTING

Our field exploration at the Kahler Russell Park site included a geologic reconnaissance that was conducted on February 19, 2015 and subsurface exploration that was conducted on March 3, 2015. The subsurface exploration consisted of drilling one 8-inch diameter hollow stem auger boring (B-6) to a depth of 100.5 feet below ground surface (bgs). The boring was logged by a

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geologist from our firm. Representative disturbed and undisturbed soil samples were obtained at selected depths from the boring for laboratory testing. The approximate location of the boring is presented on Figure 2. The boring log is presented in Appendix A.

Laboratory testing of selected soil samples obtained from our exploratory boring included in-situ dry density and moisture content, gradation, direct shear, and soil corrosivity. The results of the in-situ dry density and moisture content tests are presented on the boring logs in Appendix A. The results of the other laboratory tests described above are presented in Appendix B.

5. GEOLOGY AND SUBSURFACE CONDITIONS

Our findings regarding regional and site geology, and groundwater conditions at the Kahler Russell Park site are provided in the following sections.

5.1. Regional and Geologic Setting

The subject site is located within the northeastern portion of the Los Angeles Basin, which is included in the Peninsular Ranges Geomorphic Province (Norris and Webb, 1990). The geomorphic province encompasses an area that extends approximately 125 miles from the Transverse Ranges and the Los Angeles Basin south to the Mexican border, and continues farther to the tip of Baja California. The Los Angeles Basin has been divided into four structural blocks which are generally bounded by prominent fault systems. The site is located within the Northeastern Block, which is bordered on the west and south by the Whittier-Elsinore fault and is bordered on the north by the San Gabriel Mountains and the Raymond Hill Fault. The Northeastern Block is a deep basin characterized by thick sequences of alluvium and sedimentary units overlying basement rocks, which are at depths of up to approximately 12,000 feet below the surface in the central part of the San Gabriel Valley.

5.2. Site Geology

Our review of the referenced geologic maps and literature indicates that the subject site is underlain by Holocene to Pleistocene alluvial gravel and sand (Dibblee and Minch, 2002).

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Geologic units encountered during our reconnaissance and subsurface exploration of the project site included relatively thin fill soils that mantle alluvium. Generalized descriptions of the units encountered are provided in the subsequent sections. Additional descriptions are provided on the boring logs in Appendix A. A geologic map of the region is presented on Figure 3.

5.2.1. Fill

Fill materials were encountered in our boring B-6 extending from the ground surface to a depth of approximately 3.5 feet below existing grade. As observed, the fill materials generally consisted of dark brown, moist, medium dense, silty sand. Scattered gravel was encountered in the fill materials.

5.2.2. Alluvium

Alluvium was encountered in our boring B-6 underlying the fill materials and was observed to extend to the total depth explored of approximately 100.5 feet below existing grade. As observed in our boring, the alluvial materials generally consisted of various shades of brown, moist, loose to very dense, silty sands and sandy silts. Scattered gravel was encountered at various depths in the alluvium.

5.3. Groundwater

Groundwater was not encountered during our subsurface exploration in our boring B-6. Fluctuations in the groundwater level and perched conditions typically occur due to variations in precipitation, ground surface topography, subsurface stratification, irrigation, and other factors.

6. FAULTING AND SEISMICITY

Based on our review of published geologic maps and review of stereoscopic aerial photographs, no active fault traces are mapped as underlying the Kahler Russell Park site. Therefore, the potential for surface fault rupture at the site is considered to be low. The project site is not located within a State of California Earthquake Fault Zone (Alquist-Priolo Special Studies Zone, Hart



and Bryant, 1997). However, Kahler Russell Park is located in a seismically active area, as is the majority of southern California, and the potential for strong ground motion in the project area is considered significant during the design life of the proposed improvements. Figure 4 shows the approximate site location relative to the major faults in the region. The nearest known active fault is the San Jose fault, located approximately 3 miles southeast of the site.

6.1. Ground Motion

The 2013 California Building Code (CBC) specifies that the Risk-Targeted, Maximum Considered Earthquake (MCE_R) ground motion response accelerations be used to evaluate seismic loads for design of buildings and other structures. The MCE_R ground motion response accelerations are based on the spectral response accelerations for 5 percent damping in the direction of maximum horizontal response and incorporate a target risk for structural collapse equivalent to 1 percent in 50 years with deterministic limits for near-source effects. The horizontal peak ground acceleration (PGA) that corresponds to the MCE_R for the site was calculated at 0.888g using the United States Geological Survey (USGS, 2013) seismic design tool (web-based).

The 2013 CBC specifies that the potential for liquefaction and soil strength loss be evaluated, where applicable, for the Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration with adjustment for site class effects in accordance with the American Society of Civil Engineers (ASCE) 7-10 Standard. The MCE_G peak ground acceleration is based on the geometric mean peak ground acceleration with a 2 percent probability of exceedance in 50 years. The MCE_G peak ground acceleration with adjustment for site class effects (PGA_M) was calculated as 0.778g using the USGS (USGS, 2013) seismic design tool that yielded a mapped MCE_G peak ground acceleration of 0.778g for the site and a site coefficient (F_{PGA}) of 1.0 for Site Class D.

6.2. Surface Fault Rupture

The probability of damage due to surface ground rupture is relatively low due to the lack of known active faults crossing the project site. Surface ground cracking related to shaking from distant events is not considered a significant hazard, although it is a possibility.

6.3. Liquefaction and Dynamic Settlement

Liquefaction is the phenomenon in which loosely deposited, granular soils and some finegrained soils located below the water table undergo rapid loss of shear strength when subjected to strong earthquake-induced ground shaking. Ground shaking of sufficient duration can result in a loss of grain-to-grain contact due to a rapid rise in pore water pressure causing the soil to behave as a fluid for a short period. Liquefaction is known generally to occur in saturated or near-saturated cohesionless soils at depths shallower than 50 feet below the ground surface. Factors known to influence liquefaction potential include composition and thickness of soil layers, grain size, relative density, groundwater level, degree of saturation, and both intensity and duration of ground shaking.

According to the Seismic Hazard Zones Map for the San Dimas Quadrangle, (CGS, 1999), the Kahler Russell Park site is not mapped as being in an area susceptible to liquefaction. During our subsurface exploration, groundwater was not encountered at Kahler Russell Park to the total depth explored of 100.5 feet. Based on the observed absence of a shallow groundwater table, we consider the potential for seismic-induced liquefaction to be low at the Kahler Russell Park site.

7. OTHER GEOTECHNICAL CONSIDERATIONS

7.1. Slope Stability

Our review of maps published by the California Geological Survey (CGS, 1999) indicate that the Kahler Russell Park site is not situated in an area considered to be susceptible to seismic-induced landsliding. In addition, our observations indicate that the site is generally level to gently sloping. Consequently, landsliding or slope instability are not considered to be a constraint at the project site.

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7.2. Corrosion

Laboratory testing was performed on representative samples of the on-site soils to evaluate pH and electrical resistivity, as well as chloride and sulfate contents. The pH and electrical resistivity tests were performed in accordance with the California Test (CT) 643 and the sulfate and chloride tests were performed in accordance with CTs 417 and 422, respectively. These laboratory test results are presented in Appendix B.

The results of the corrosivity testing performed on a sample obtained from the site indicated an electrical resistivity value of 2,900 ohm-cm, a soil pH value of 7.6, a chloride content of 490 ppm, and a sulfate content of 0.009 percent. According to Caltrans criteria and American Concrete Institute (ACI) 318 guidelines, a corrosive soil is defined as one with more than 500 ppm chlorides, more than 0.2 percent sulfates, a pH less than 5.5, or an electrical resistivity of less than 1,000 ohm-cm. While the upper soils encountered at the site are not considered to be corrosive (based on Caltrans criteria (2012) and ACI guidelines), the chloride content measured in the soil is high enough that it would be prudent to consider this site to be corrosive.

8. DISCUSSION AND FINDINGS

As discussed above, our geotechnical services were performed to assist MWH and LADPW evaluate the preliminary feasibility of an onsite storm water infiltration system at the Kahler Russell Park site. Based on our communications with MWH, we understand that the preliminary criteria at the site is related to the presence of groundwater or dense materials providing refusal to drilling equipment within 100 feet of the ground surface. As such, our scope of services included the drilling of an exploratory boring that extended to a depth of 100 feet, to groundwater, or to refusal (whichever is shallower). We understand that BMPs being considered for the site are conceptual at this time. Based on the information obtained from our geotechnical evaluation, the following findings and conclusions have been made:

• The project site is underlain by relatively shallow fill (approximately 3.5 feet deep) overlying alluvial soils. The encountered portions of the fill were generally comprised of silty sands that contained scattered amounts of gravel. The underlying alluvial soils were observed to consist of silty sands and sandy silts.

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- Groundwater was not encountered in our exploratory boring to the total depth explored of 100.5 feet.
- Based on our review of aerial photographs and published geologic maps, there are no known active faults or landslides underlying the project site.
- Our faulting and seismicity evaluation indicated that the site is subject to severe ground shaking due to a design seismic event.
- Review of geological literature indicates that the site is not situated in an area that has been mapped as being susceptible to liquefaction. Additionally, groundwater was not encountered in our exploration at the site. Based on the observed absence of a shallow groundwater table, we consider the potential for seismic-induced liquefaction to be low at the Kahler Russell Park site.
- In-place infiltration testing was not performed as part of our geotechnical services. However, based on published correlations between a soil's grain size and its permeability (Shepherd, 1989), an estimated permeability on the order of 10⁻³ cm/sec within the encountered sandy and silty soils can be utilized for preliminary evaluation purposes. Actual design of storm water infiltration devices should be in accordance with the County of Los Angeles guide-lines and should be based on field infiltration testing at the site.
- Recommendations provided in this report are preliminary in nature and are not intended to provide sufficient information to fully address potential geotechnical related issues. Prior to site development an additional geotechnical evaluation should be performed.

9. PRELIMINARY RECOMMENDATIONS

As noted above we understand that the Better Management Practices (BMPs) associated with the proposed Upper San Gabriel River EWMP Project are conceptual at this time. As such, details regarding the types and construction of the BMPs (if any) are not known at this time for the Kahler Russell Park site. We recommend that the geotechnical information presented herein be utilized during the evaluation of the feasibility of the devices associated with the EWMP project at the site. The design of BMPs should be performed in accordance with County of Los Angeles guidelines.

The following sections of this report provide preliminary recommendations for earthwork and design of structure foundations for preliminary planning purposes. Once the type and general construction of the devices is better defined, Ninyo & Moore should review the devices' preliminary design. At that time, supplemental recommendations may be provided.

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9.1. Site Preparation

Prior to earthwork, the project site should be cleared of existing structures, pavement, abandoned utilities (if present), and stripped of rubble, debris, vegetation, loose, wet, or otherwise unstable soils, as well as surface soils containing organic material. Materials generated from the clearing operations should be removed from the site and disposed of at a legal dumpsite.

9.2. Materials for Fill

On-site soils relatively free of organic material are suitable for reuse as fill. In general, fill material should not contain rocks or lumps over approximately 4 inches in diameter, and not more than approximately 30 percent larger than ³/₄-inch. Oversize materials should be separated from material to be used for fill and removed from the site. Although not anticipated, if encountered, high plasticity clays and silts should be disposed of off-site.

Utility trench backfill material should not contain rocks or lumps over approximately 3 inches in general. Soils classified as silts or clays should not be used for backfill in the pipe zone. Larger chunks, if generated during excavation, may be broken into acceptably sized pieces or disposed of off site.

Imported fill material should generally be granular soils with a very low to low expansion potential (i.e., an expansion index of 50 or less as evaluated by ASTM D 4829). Import material should also be non-corrosive in accordance with the Caltrans (2012) corrosion guidelines. Materials for use as fill should be evaluated by Ninyo & Moore's representative prior to filling or importing.

9.3. Compacted Fill

Prior to placement of compacted fill, the contractor should request an evaluation of the exposed ground surface by Ninyo & Moore. Unless otherwise recommended, the exposed ground surface should then be scarified, moisture conditioned as needed to achieve moisture contents generally above the optimum moisture content, and then compacted to a relative compaction of 90 percent as evaluated in accordance with ASTM D 1557. The evaluation of

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compaction by the geotechnical consultant should not be considered to preclude any requirements for observation or approval by governing agencies. It is the contractor's responsibility to notify the geotechnical consultant and the appropriate governing agency when the project area is ready for observation, and to provide reasonable time for that review.

Fill materials should be moisture conditioned to generally above the laboratory optimum moisture content prior to placement. The optimum moisture content will vary with material type and other factors. Moisture conditioning of fill soils should be generally consistent within the soil mass.

Prior to placement of additional compacted fill material following a delay in the grading operations, the exposed surface of previously compacted fill should be prepared to receive fill. Preparation may include scarification, moisture conditioning, and recompaction.

Compacted fill should be placed in horizontal lifts of approximately 8 inches in loose thickness. Prior to compaction, each lift should be watered or dried as needed to achieve a moisture content generally above the laboratory optimum, mixed, and then compacted by mechanical methods, using sheepsfoot rollers, multiple-wheel pneumatic-tired rollers or other appropriate compacting rollers, to a relative compaction of 90 percent as evaluated by ASTM D 1557. Successive lifts should be treated in a like manner until the desired finished grades are achieved.

9.4. Utility Trench Backfill

Based on our subsurface exploration, the on-site earth materials should be generally suitable for re-use as trench backfill provided they are free of organic material, clay lumps, debris, and rocks greater than approximately 3 inches in diameter. We recommend that trench backfill materials be in conformance with the "Greenbook" (Standard Specifications for Public Works Construction) specifications for structure backfill. Fill should be moistureconditioned to generally above the laboratory optimum. Trench backfill should be compacted to a relative compaction of 90 percent except for the upper 12 inches of the backfill that should be compacted to a relative compaction of 95 percent as evaluated by ASTM D 1557.



Lift thickness for backfill will depend on the type of compaction equipment utilized, but fill should generally be placed in lifts not exceeding 8 inches in loose thickness. Special care should be exercised to avoid damaging the pipe during compaction of the backfill.

9.5. Preliminary Foundation Recommendations

For preliminary design purposes, shallow, spread or continuous footings founded on compacted fill or alluvial soils can be considered suitable for support of structures. Shallow, spread or continuous footings bearing on compacted fill or alluvial soils may be designed assuming an allowable bearing capacity of 2,000 psf. This allowable bearing capacity may be increased by one-third when considering loads of short duration such as wind or seismic forces. Spread footings should be founded 18 inches below the lowest adjacent grade. Continuous footings should have a width of 15 inches and isolated footings should be 18 inches in width or more. The spread footings should be reinforced in accordance with the recommendations of the project structural engineer.

For resistance of foundations to lateral loads, we recommend an allowable passive pressure exerted by an equivalent fluid weight of 300 pounds per cubic foot be used. This value assumes that the ground is horizontal for a distance of 10 feet or more, or three times the height generating the passive pressure, whichever is greater. We recommend that the upper 1 foot of soil not protected by pavement or a concrete slab be neglected when calculating passive resistance.

For frictional resistance to lateral loads, we recommend a coefficient of friction of 0.35 be used between soil and concrete. If passive and frictional resistances are to be used in combination, we recommend that the passive value not exceed one-half of the total resistance. The passive resistance values may be increased by one-third when considering loads of short duration such as wind or seismic forces.

9.6. Concrete

Concrete in contact with soil or water that contains high concentrations of soluble sulfates can be subject to chemical deterioration. Laboratory testing indicated the sulfate content of the sample tested was less than 0.2 percent, which is considered negligible for sulfate attack based on ACI criteria (ACI, 2011). Although significant sulfate content was not indicated, we recommend that Type II/V cement be used for concrete structures in contact with soil, due to the potential for variability of site soil. The water-cement ratio of the concrete should be 0.45 or less and the slump should be 4 inches or less.

9.7. Plan Review and Construction Observation

The preliminary conclusions and recommendations presented in this report are based on analysis of observed conditions in widely spaced exploratory borings. If conditions are found to vary from those described in this report, Ninyo & Moore should be notified, and additional recommendations will be provided upon request. Because we understand that the design of the BMPs devices for the EWMP project is conceptual at this point, we recommend that Ninyo & Moore review the devices' preliminary design, once the type and general construction of the devices is better defined. At that time, supplemental recommendations may be provided.

Ninyo & Moore should review the final project drawings and specifications prior to the commencement of construction. Ninyo & Moore should perform the needed observation and testing services during construction operations to evaluate the assumptions inherent in the design.

The preliminary recommendations provided in this report are based on the assumption that Ninyo & Moore will provide geotechnical observation and testing services during construction. In the event that it is decided not to utilize the services of Ninyo & Moore during construction, we request that the selected consultant provide the client with a letter (with a copy to Ninyo & Moore) indicating that they fully understand Ninyo & Moore's recommendations, and that they are in full agreement with the design parameters and recommendations contained in this report. Construction of proposed improvements should be performed by qualified subcontractors utilizing appropriate techniques and construction materials.

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10. LIMITATIONS

The field evaluation, laboratory testing, and geotechnical analyses presented in this geotechnical report have been conducted in general accordance with current practice and the standard of care exercised by geotechnical consultants performing similar tasks in the project area. No warranty, expressed or implied, is made regarding the preliminary conclusions, recommendations, and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be encountered during construction. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration. Additional subsurface evaluation will be performed upon request. Please also note that our evaluation was limited to assessment of the geotechnical aspects of the project, and did not include evaluation of structural issues, environmental concerns, or the presence of hazardous materials.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document.

This report is intended for feasibility and preliminary design purposes only. It does not provide sufficient data to prepare an accurate bid by contractors. It is suggested that the bidders and their geotechnical consultant perform an independent evaluation of the subsurface conditions in the project areas. The independent evaluations may include, but not be limited to, review of other geotechnical reports prepared for the adjacent areas, site reconnaissance, and additional exploration and laboratory testing.

Our preliminary conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. If geotechnical conditions different from those described in this report are encountered, our office should be notified, and additional recommendations, if warranted, will be provided upon request. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to



government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no controls.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.


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APPENDIX A

BORING LOGS

Field Procedure for the Collection of Disturbed Samples

Disturbed soil samples were obtained in the field using the following methods.

Bulk Samples

Bulk samples of representative earth materials were obtained from the exploratory borings. The samples were bagged and transported to the laboratory for testing.

The Standard Penetration Test (SPT) Sampler

Disturbed drive samples of earth materials were obtained by means of a SPT sampler. The sampler is composed of a split barrel with an external diameter of 2 inches and an unlined internal diameter of $1\frac{3}{8}$ inches. The sampler was driven into the ground 12 to 18 inches with a 140-pound hammer falling freely from a height of 30 inches in general accordance with ASTM D 1586. The blow counts were recorded for every 6 inches of penetration; the blow counts reported on the logs are those for the last 12 inches of penetration. Soil samples were observed and removed from the sampler, bagged, sealed and transported to the laboratory for testing.

Field Procedure for the Collection of Relatively Undisturbed Samples

Relatively undisturbed soil samples were obtained in the field using the following method.

The Modified Split-Barrel Drive Sampler

The sampler, with an external diameter of 3.0 inches, was lined with 1-inch long, thin brass rings with inside diameters of approximately 2.4 inches. The sample barrel was driven into the ground with the weight of a hammer in general accordance with ASTM D 3550. The driving weight was permitted to fall freely. The approximate length of the fall, the weight of the hammer, and the number of blows per foot of driving are presented on the boring logs as an index to the relative resistance of the materials sampled. The samples were removed from the sample barrel in the brass rings, sealed, and transported to the laboratory for testing.

DEPTH (feet) Bulk SAMPI FS	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	BOF	RING LOG EX	PLANATION	SHEET
0						Bulk sample.			
		Q Z				Modified split-barrel d 2-inch inner diameter No recovery with mod drive sampler. Sample retained by oth Standard Penetration 7 No recovery with a SP Shelby tube sample. D No recovery with Shel Continuous Push Samp Seepage. Groundwater encounter	lrive sampler. split-barrel drive samp lified split-barrel drive hers. Fest (SPT). T. Distance pushed in inch lby tube sampler. ple.	ler. sampler, or 2-inch inn es/length of sample rea	her diameter split-barrel
	_	—				Groundwater measure	d after drilling.		
	_				SM	MAJOR MATERIAL Solid line denotes unit	TYPE (SOIL): change.		
					CL	Dashed line denotes m	aterial change.		
						Attitudes: Strike/Dip b: Bedding c: Contact j: Joint f: Fracture F: Fault cs: Clay Seam s: Shear bss: Basal Slide Surfac sf: Shear Fracture sz: Shear Zone sbs: Shear Bedding Su The total depth line is	ce Irface a solid line that is drav	wn at the bottom of the	e boring.
20									
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				e. 1	AAn	nro			U
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11					•		1	1	1

SOIL CLASSIFICATION CHART PER ASTM D 2488									GRAI	N SIZE	
PR		SIONS		SECON	DARY DIVISIONS		DESCI		SIEVE	GRAIN	APPROXIMATE
			GR	OUP SYMBOL	GROUP NAME		DECO		SIZE	SIZE	SIZE
		CLEAN GRAVEL		GW	well-graded GRAVEL		Βοι	ulders	> 12"	> 12"	Larger than
		less than 5% fines		GP	poorly graded GRAVEL						Daskelball-sized
	GRAVEL			GW-GM	well-graded GRAVEL with silt		Co	bbles	3 - 12"	3 - 12"	Fist-sized to basketball-sized
	more than	GRAVEL with DUAL		GP-GM	poorly graded GRAVEL with silt						
	coarse	CLASSIFICATIONS 5% to 12% fines		GW-GC	well-graded GRAVEL with clay			Coarse	3/4 - 3"	3/4 - 3"	Thumb-sized to fist-sized
	retained on			GP-GC	poorly graded GRAVEL with clay		Gravel				Pea-sized to
	NO. 4 SIEVE	GRAVEL with		GM	silty GRAVEL			Fine	#4 - 3/4"	0.19 - 0.75"	thumb-sized
COARSE- GRAINED		FINES more than	12	GC	clayey GRAVEL			Caaraa	#10 #1	0.070 0.10"	Rock-salt-sized to
SOILS		12% fines		GC-GM	silty, clayey GRAVEL			Coarse	#10 - #4	0.079 - 0.19"	pea-sized
50% retained		CLEAN SAND		SW	well-graded SAND		Sand	Medium	#40 - #10	0.017 - 0.079"	Sugar-sized to
on No. 200 sieve		less than 5% fines		SP	poorly graded SAND						rock-salt-sized
		SAND with DUAL CLASSIFICATIONS 5% to 12% fines		SW-SM	well-graded SAND with silt			Fine	#200 - #40	0.0029 -	Flour-sized to
	SAND 50% or more			SP-SM	poorly graded SAND with silt					0.017	
	of coarse fraction passes No. 4 sieve		[]]]	SW-SC	well-graded SAND with clay		Fi	nes	Passing #200	< 0.0029"	Flour-sized and smaller
				SP-SC	poorly graded SAND with clay						
				SM	silty SAND				PLASTICITY CHART		
		more than		SC	clayey SAND						
		12% fines		SC-SM	silty, clayey SAND		7	°			
				CL	lean CLAY		6 (D			
	SILT and	INORGANIC		ML	SILT		(id))	p			
	CLAY liquid limit			CL-ML	silty CLAY			D		CH or OF	
FINE-	less than 50%	ORGANIC		OL (PI > 4)	organic CLAY		1 1 3	p			
SOILS		ORGANIC		OL (PI < 4)	organic SILT			o – – – –	CL or C		MH or OH
50% or more passes				СН	fat CLAY		SVT 1				
No. 200 sieve	SILT and CLAY	INORGANIC		MH	elastic SILT			CL -	ML ML or (DL	
	liquid limit 50% or more	ORGANIC		OH (plots on or above "A"-line)	organic CLAY			0 10	20 30 40	50 60 70	80 90 100
		UNGAINIC		OH (plots below "A"-line)	organic SILT				LIQUID	LIMIT (LL), %	
	Highly (Organic Soils		PT	Peat						

APPARENT DENSITY - COARSE-GRAINED SOIL

	SPOOLING CA	ABLE OR CATHEAD	AUTOMATIC TRIP HAMMER			
APPARENT DENSITY	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)		
Very Loose	≤ 4	≤ 8	≤ 3	≤ 5		
Loose	5 - 10	9 - 21	4 - 7	6 - 14		
Medium Dense	11 - 30	22 - 63	8 - 20	15 - 42		
Dense	31 - 50	64 - 105	21 - 33	43 - 70		
Very Dense	> 50	> 105	> 33	> 70		

Ninyo & Moore

CONSISTENCY - FINE-GRAINED SOIL

	SPOOLING CA	ABLE OR CATHEAD	AUTOMATIC TRIP HAMMER			
CONSIS- TENCY	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)		
Very Soft	< 2	< 3	< 1	< 2		
Soft	2 - 4	3 - 5	1 - 3	2 - 3		
Firm	5 - 8	6 - 10	4 - 5	4 - 6		
Stiff	9 - 15	11 - 20	6 - 10	7 - 13		
Very Stiff	16 - 30	21 - 39	11 - 20	14 - 26		
Hard	> 30	> 39	> 20	> 26		

USCS METHOD OF SOIL CLASSIFICATION

Explanation of USCS Method of Soil Classification DATE

PROJECT NO.

EPTH (feet)	k SAMPLES	OWS/FOOT	NSTURE (%)	DENSITY (PCF)	SYMBOL	ASSIFICATION U.S.C.S.	DATE DRILLED GROUND ELEVATION METHOD OF DRILL	3/3/15 ON <u>650' ± (MSL)</u> ING <u>8" Diameter Hollow-S</u>	BORING NOSHEET	B-6 _1 OF _3 (Geoboden)
	Drive	BL	WC	DRY I		CLA	SAMPLED BY	140 lbs. (Auto-Trip Han CAT LOGGED BY DESCRIPTION/II	<u>IMER)</u> DROP CAT REVIEW	BD BY
0						SM	FILL: Dark brown, moist, r 1 inch in diameter.	nedium dense, silty fine	to coarse SAND; s	cattered gravel up to
		14	2.8	109.7		SM	ALLUVIUM: Brown, moist, loose, diameter); micaceous	silty fine to coarse SAN s.	ND; trace fine grave	el (less than 1/2 inch in
10-		27	3.6				Dense. Scattered gravel up to rock up to 1 inch in c	o 1 inch in diameter; sca liameter.	attered fragments of	f decomposed granitic
		10	9.8				Medium dense; silty	fine sand; few lamination	ons visible; highly r	nicaceous.
20-	Y	39	4.0				Very dense; silty fine	e to coarse SAND; scatt	ered gravel up to 1	inch in diameter.
-						— — — — —	Brown moist mediu	m dense, fine sandy SII	T: micaceous	
30-		18	14.5			WL		in dense, nie sandy 51		
40									BORING LO	G
		VÍ	<u>N</u>	[]	Se		ore	KAHLER RUSSEL	L PARK - UPPER SAN GA ANGELES COUNTY, CAI	ABRIEL RIVER EWMP LIFORNIA
	-	V	U					PROJECT NO. 107900001	DATE 6/15	FIGURE A-1



f)	AMPLES	Ц	(%	PCF)		NO		ON 650	3/3/15	BORIN	NG NO	2	B-6	
TH (fee	0	VS/FOC	TURE (VSITY (MBOL	IFICAT S.C.S.	METHOD OF DRILL	_ING <u>8</u>	' Diameter Hollow-	Stem Auge	er (CME 75) (C	Geobode	n)	
DEP.	3ulk riven	BLOV	NOIS-	Y DE	S	LASS U.S	DRIVE WEIGHT	140	lbs. (Auto-Trip Har	nmer)	DROP		30"	
				DR		U U	SAMPLED BY	CAT	LOGGED BY	CAT NTERPRE		D BY	GTI	F
80		22	17.2			ML	ALLUVIUM: (Conti Reddish brown, mois 1/2-inch in diameter. Harder drilling. Micaceous.	inued) st, dens	e, fine to mediu	m sandy \$	SILT; trace	clay; tr	ace grav	'el up to
		50/6	2.6				Light brown; mediun Total Depth = 100.5 Groundwater not enc Backfilled shortly aft <u>Notes:</u> Groundwater, level due to seasonal the report. The ground elevatior of published maps ar not sufficiently accur	n dense feet. counter ter drill variati n shown nd othe rate for	e; silty fine to co ed during drillin ing on 3/3/15. In not encountere ons in precipitat n above is an est r documents revi preparing const	arse sand g. d at the ti ion and s imation c iewed for ruction b	ime of drilli everal other only. It is ba the purpose ids and desi	l. factors sed on es of th gn doc	y rise to s as discu our inter is evalua uments.	a higher ussed in rpretation ation. It is
120					<u> </u>		nro		KAHLER RUSSE	BOR	ING LOG	BRIEL RI	IVER EWM	 IP
			4		×		JUI G	PF	LOS ROJECT NO.	ANGELES (DA	COUNTY, CALI	FORNIA	FIGURE	
		۲				v		1	07900001	6/	15		A-3	

APPENDIX B

LABORATORY TESTING

Classification

Soils were visually and texturally classified in accordance with the Unified Soil Classification System (USCS) in general accordance with ASTM D 2488. Soil classifications are indicated on the logs of the exploratory borings in Appendix A.

Moisture Content

The moisture content of samples obtained from the exploratory borings was evaluated in accordance with ASTM D 2216. The test results are presented on the logs of the exploratory borings in Appendix A.

In-Place Moisture and Density Tests

The moisture content and dry density of relatively undisturbed samples obtained from the exploratory borings were evaluated in general accordance with ASTM D 2937. The test results are presented on the logs of the exploratory borings in Appendix A.

Gradation Analysis

Gradation analysis tests were performed on selected representative soil samples in general accordance with ASTM D 422. The grain-size distribution curves are shown on Figures B-1 through B-5. These test results were utilized in evaluating the soil classifications in accordance with USCS.

Direct Shear Tests

A direct shear test was performed on a relatively undisturbed sample in general accordance with ASTM D 3080 to evaluate the shear strength characteristics of selected materials. The sample was inundated during shearing to represent adverse field conditions. The results are shown on Figure B-6.

Soil Corrosivity Tests

Soil pH, and resistivity tests were performed on a representative sample in general accordance with California Test (CT) 643. The soluble sulfate and chloride content of selected sample were evaluated in general accordance with CT 417 and CT 422, respectively. The test results are presented on Figure B-7.











	3000)						
PSF)	2000)						
RESS (
IEAR ST								
SH	1000)						
	C			1000		2000	3000	
Description	c	Symbol	Sample	1000 NORMAL Depth	STRESS (P Shear Strength	2000 PSF) Cohesion, c	3000 Friction Angle, ¢	Soil Type
Description Silty SAND	C	Symbol	Sample Location B-6	1000 NORMAL Depth (ft) 5.0-6.5	STRESS (P Shear Strength Peak	2000 PSF) Cohesion, c (psf) 0	3000 Friction Angle, φ (degrees) 38	Soil Type SM
Description Silty SAND Silty SAND	C	Symbol	Sample Location B-6 B-6	1000 NORMAL Depth (ft) 5.0-6.5 5.0-6.5	STRESS (P Shear Strength Peak Ultimate	2000 PSF) Cohesion, c (psf) 0 0	3000 Friction Angle, φ (degrees) 38 38 38	Soil Type SM SM
Description Silty SAND Silty SAND	C	Symbol	Sample Location B-6 B-6	1000 NORMAL Depth (ft) 5.0-6.5 5.0-6.5	STRESS (P Shear Strength Peak Ultimate	2000 PSF) Cohesion, c (psf) 0 0	3000 Friction Angle, ¢ (degrees) 38 38	Soil Type SM SM
Description Silty SAND Silty SAND			Sample Location B-6 B-6 E WITH ASTM	1000 NORMAL Depth (ft) 5.0-6.5 5.0-6.5	STRESS (P Shear Strength Peak Ultimate	2000 PSF) Cohesion, c (psf) 0 0 0	3000 Friction Angle, ¢ (degrees) 38 38 38 38 RESULTS	Soil Type SM SM

SAMPLE	SAMPLE DEPTH	n⊎ ¹	RESISTIVITY ¹	SULFATE	CONTENT ²	CHLORIDE CONTENT ³
LOCATION	(FT)	рп	(Ohm-cm)	(ppm)	(%)	(ppm)
B-6	5.0-8.0	7.6	2,900	90	0.009	490

¹ PERFORMED IN GENERAL ACCORDANCE WITH CALIFORNIA TEST METHOD 643

² PERFORMED IN GENERAL ACCORDANCE WITH CALIFORNIA TEST METHOD 417

³ PERFORMED IN GENERAL ACCORDANCE WITH CALIFORNIA TEST METHOD 422

Ninyo «	Moore	CORROSIVITY TEST RESULTS	FIGURE
PROJECT NO.	DATE	KAHLER RUSSELL PARK UPPER SAN GABRIEL RIVER FWMP	B -7
107900001	6/15	LOS ANGLES COUNTY, CALIFORNIA	1-0

DATE: 11-1-2017

TANYA MACLEAN

TETRA TECH INCORPORATED 17885 VON KARMAN AVENUE, SUITE 500 IRVINE, CALIFORNIA 92614

T37741

TASK 2

TEXAS ENVIRONMENTAL RESEARCH

126 SCEPTRE DRIVETEL: (972) 772-4283ROCKWALL, TEXAS 75032FAX: (972) 772-4283

ENVIRONMENTAL LIEN AND OTHER ACTIVITY USE LIMITATIONS (AUL)

SEARCH

THE ATTACHED REPORT IS BEING PROVIDED TO APPLICANT SOLELY FOR THE PURPOSE OF FACILITATING LANDOWNER OR PURCHASE DEFENSES WHICH MAY BE AVAILABLE UNDER THE LIABILITY ACT OF 1980. AS AMENDED IT IS PROVIDED FOR THE SOLE USE AND BENEFIT OF APPLICANT AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PARTY FOR ANY REASON.

NOTE: THIS SEARCH REPRESENTS SURFACE CONVEYANCES ONLY. TOTAL LIABILITY OF TEXAS ENVIRONMENTAL RESEARCH COMPANY IS LIMITED TO THE AMOUNT PAID FOR THIS REPORT.

THIS REPORT WAS PREPARED FOR THE PURPOSE OF ASSISTING IN AN ENVIRONMENTAL HAZARD INSPECTION OF THE FOLLOWING DESCRIBED PROPERTY.

LEGAL DESCRIPTION

Parcel: 8428-015-902 and 8428-023-901, 735 North Glendora Avenue, Los Angeles County,

Covina, California.

CURRENT OWNER

Covina City has owned for over 10 years.

Prepared by Texas Environmental Research on 11-1-2017.

ENVIRONMENTAL LIEN AND AUL SEARCH

AFTER COMPLETING AN ENVIRONMENTAL LIEN AND OTHER ACTIVITY AND USE LIMITATION SEARCH A FINDING THAT NO ENVIRONMENTAL LIENS OR AUL'S HAVE BEEN FILED OF PUBLIC RECORD AND THAT IT HAS BEEN DETERMINED THAT THE PROPERTY RESEARCHED IN THIS REPORT COMPLIES WITH ASTM E 1527-13-SEC. 8.3.4.4 AND SECTION 6.2

THIS REPORT MEETS OR EXCEEDS A.S.T.M. E 1527-13.

	Record Corras Date: Date:	To/From	Subject	No:
	11/25/97 8/18/9	FROM: PLA. CO. DEW-	- 721 2	als
	11/25/97 8/30/9	S PROM: GRE	ance Removal Report	HP.
	11/25/97 7/17/9	TO: - AUSAL- RUSACH.	100 65 form.	HP.
	11/2/137 5/14/0-	To: Ac-sal ai	letter Regiring the site to Ruos	ca HP.
	12/daz ulacia	TO: Al-Sal-oil	letter requires wp-Kr	ad He
I	2/02/2017	TO: RWOCK	lovel 1- En lotter	40
F	923118 12/198	FROM: pr-spe-ore	Confirme time Read	PIT.
F	12/2/97	FROM AL CAL DI	Real Careta	H
	12/5/98	TO: _ Rwdck	Requested Extension	140
	12/11/03	10. FILE	Site Assessment Klorbyd	an HP.
		To: Rustan	Lecord of Communication	HP.
-	12/15/97	FROM: A Sal ailas.	Remised SAD	40
_	1 12/18/97	ROM: RWORD	letter abon's # 500	L.P
	12/20/02/02	To: A SAL ON - Rullon	and approved the SAP.	141
	1 Jular 1	O: Revaces	Loc 1	140
1	3/16/98	ROM: ALSAL - CAI	SAK	HD.
3	548 3/22/98 F	ROM: STARE - PUDAD	Pro-P-	1.0
h	las 2 solar Te	" Alsacon	LASE KEVICH BILM	ptt.
10	TA 2/3/98 F	COM: DUSROB	CASE CLOSURE LETER	Hhl.
	-X -FR	OM:	* ~	
	The post			
_	This Fe	MASE IS	NOW CLOSED!	



Los Angeles

March 23, 1998

Pete Wilson Governor

Regional Water Quality Control Board Mr

101 Centre Plaza Drive Monterey Park, CA 91754-2156 213) 266-7500 FAX (213) 266-7600 Mr. Montri Phuvadakorn Al Sal Oil Company 3410 East Foothill Boulevard Pasadena, CA 91107

UNDERGROUND STORAGE TANK CASE CLOSURE AL SAL OIL COMPANY # 23 601 NORTH GRAND AVENUE, COVINA (I-09791) CLAIM NO. 12449

Dear Mr. Phuvadakorn,

This letter confirms the completion of the site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks is greatly appreciated.

Based on the available information 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 Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact Mr. Harry Patel at (213) 266-7575 if you have any questions regarding this matter.

Sincerely,

DENNIS A. DICKERSON Executive Officer

ames D Huybe doll

JAMES D. KUYKENDALL Assistant Executive Officer

 Ms. Diana Romero, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Ms. Carol Williams, Main San Gabriel Valley Watermaster
Mr. Carl Sjoberg, Los Angeles County Department of Public Works, Environmental Programs Division, Underground Tanks
Mr. Edward Trosper, Environmental Applications, Inc.

led Paner

Our mission is to preserve and enhance the quality of California's water resources, and

State of California Environmental Protection Agency

UNDERGROUND STORAGE TANK CASE REVIEW FORM

Los Angeles Regional Water Quality Control Board Date: March 23, 1998 LUSTIS file no.: 1-09791 Site Name/Address: Case reviewer: Mr. Harry Patel & Mr. Hubert Kang Al Sal Oil Company # 23 Responsible parties: 601 North Grand Avenue Mr. Montri Phuvadakorn Address: Phone no .: Covina, CA 91724 3410 East Foothill Boulevard Al Sal Oil Company Pasadena, CA 91107 (626) 440-0684

CASE INFORMATION (N/A = Not Applicable)

TATIK NO.	Size in Gallons	0.1.1	the second s		
1	20,000	Contents	Closed in-place/Removed2		
2	20,000	Unleaded Gasoline	Removed and Replaced	Date	
3	20,000	Unleaded Gasoline	Parameter and Replaced	6/95	
	20,000	Unleaded Gasoline	Removed and Replaced	6/95	
4	20,000	Dieval	Removed and Replaced	6/95	
		Dicael	Removed and Replaced	6/95	

II. SITE CHARACTERIZATION INFORMATION (GW=groundwater)

Gvv Basin: San Gabriel	Beneficial uses: Dom Ind Mun	Depth to dist		
Distance to nearest municipal	Supply well: Approximately 0.55	Distance between known shallow GW contamination and		
from the subject site.	supproximately 0.55 miles			
GW highest depth: Unknown	GW lowest depth: Linknows	aquiler: Unknown		
Soil type: Silty Sand underlain h	v sando	Well screen interval: Not Applicable Flow direction; Unknown		
y suite underfaile b	/ sands	Maximum depth sampled: 125' hrs		

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- Initial and Latest III.

	Contaminant Soil (me		na/ka)	10/-1	1 11 1		- Hor Reported, ND=Non-detect							
-			ng/kg)	vvater	(µg/L)	Contaminant	Soil (n	ng/kg)	Water (ug/L)					
╟	-	(Year)	Latest (Year)	Initial (Year)	Latest (Year)	Care and the second	Initial (Yoar)	Latest	Initial	Latest				
IL	TPH (Gas)	10,000/95	100/98			Edhauth	(Tear)	(rear)	(Year)	(Year)				
I	TPH (Diesel)	5 620/95	2 7/09			Ethylbenzene	170/95	2.3/98						
F	Baarra	0,020/33	2.1198			Xylenes	1,040/95	3.9/98		1				
⊢	Benzene	85/95	2.4/98			MTBE		E E/00	1.0					
	Toluene	590/95	2.3/98		-	Orrect		5.5/98						
-		and the second se		Contraction of the local division of the loc		Urganic Lead I	ND		and the second se	A Real Property lies and the lies of the l				

IV. SOIL REMEDIATION

Method:	MONTE LANGE		the second s
Internod.	NONE APPLIED	Duration of remediation:	NOT I DESCRIPTION
		Surdion of Terrediation.	NOT APPLICABLE

GROUNDWATER REMEDIATION

Method:	NOT APPLICABLE	Duration of remediation	NOT ADDI ICADI E
ERFE PRO			NOT APPLICABLE

Was free product encountered? Yes No	Has free product been totally recovered?	N
When was free product recovery project completed?		Yes No

VII. RECOMMENDED ACTION:

Soil Closure only:	-Yes	No	Case Closure:	Yes	Nø	Solvent Case? Yes No	
Additional Action Red	quired (i.e.:	additional sit	e assessment, remediati	on, moni	toring):		

VIII. JUSTIFICATION FOR RECOMMENDED ACTION:

The site is an active service station. Four 20,000 gallon usts were removed and replaced with new double wall usts. During the ust removal significant soil contamination was found below the dispensers and usts. It is not clear if the contaminated soil was excavated and disposed offsite. Since significant soil contamination was encountered, RWQCB required additional assessment. In February 1998, five soil boirngs were drilled in the former hot spot areas to define the vertical extent of contamination. Laboratory analysis of the soil samples indicated that the vertical extent of soil contamination has been defined. Based on our review, the site has passed our level 4 review, page 119. Therefore the site is recommended for closure as a low risk site.

6/95



SAN BERNARDINO ROAD

LEGEND

D13

Soil Sample Location Product Line

NORTH SCALE

SCALE: 1 inch = 30 feet

FIGURE 2 - SITE MAP

TANK REMOVAL REPORT

Al Sal Oil Company #23 601 N. Grand Avenue Covina, California LACDPW Permit Number #136273 LACDPW File Number #9897-9741 Project 9506-07



Table 1 AL SAL OIL COMPANY #23 601 N. Grand Avenue Covina, California LACDPW Permit Number 136273 LACDPW File Number 9897-9741 SOIL SAMPLE RESULTS 197

ND (0.015) ND (0 ND (0.015) ND (0 ND (0.015) ND (0
ND (0.005) ND
ND (0.005)
(COD.0) CIN
NA
1.770
SW
19

<n>

0

Vessen 11.01.5

Environmental Applications, Inc.

NA = not analyzed

Page T1-1



		MTRF	(mo/ko)	0.008	0.070	0.018	0.030	0.032	0.067	0.13	0.085	0.045	0.077	0.15	0.004	0.094	0.014	0.017	0.037	0.012	0.020	0.008	0.008 MID (0.008)	(000.0) GM	5.5	1.2 (a)	0.13	(0.38)	0.20	0.11	0.007	07000	0.008	ND (0.005)	ND (0.005)
		TOTAL XYLENES	(mg/kg)	ND (0.005)	(0000) (IN	(ran-a)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(500.0) UN	ND (0.005)	3.9		0.053	0.006	ND (0.005)	ND (0.005)	ND (0.005)	(500.0) (IN	ND (0.005)	ND (0.005)	ND (0.005)								
SL		ETHYLBENZENE	(mg/kg)	ND (0.005)	(0000) CN	(000.0) ON	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(COU.U) CIN	ND (0.005)	(500.0) UN	(conco) GV	ND (0.005)	2.3		0.12	0.011	ND (0.005)	ND (0.005)	(C00.0) CIN	(con:0) (IN) ND (0 005)	ND (0.005)	ND (0.005)	ND (0.005)					
out symitte RESUL al #23 3rand Avenue California	uy 1998	1 OLUENE	ND (0 005)	(500.0) UN	(COU.D) CM	(200'0) CN	(200.0) UN	(500.0) GN	(500.0) ON	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(COU.U) UN	(200.0) CM	(000.0) GM	(500.0) GN	ND (0.005)	ND (0.005)	2.4		0.029	ND (0.005)	ND (0.005)	ND (0.005)	(COU.O) (IN	(COU.O) CINI (10 00 CINI	ND (0.005)	ND (0.005)	ND (0.005)
AI S 601 North C Covina,	Februa	(mg/kg)	ND (0.005)	ND IN COM	ND (0.005)	ND (0.005)	(COU.U) CIN	(contro) CN	ND (0.005)	ND (0 005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	2.7		0.12	ND (0.005)	ND (0.005)	ND (0.005)	(COU.U) UN	(COU.U) UN	ND (0.005)	ND (0.005)	ND (0.005)										
	TPH - gas	(mg/kg)	ND (1.0)	(0.1) GM	ND/10/	ND (1 0)	ND (1 0)	ND (1 0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100		3.7	1.1	ND (1.0)	ND (1.0)	(0.1) (IN	(0.1) (INI ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)									
	USCS.	CUL	MC	3P CIU	MC	SW	3W	SW	5M	aw cur	SW	SP	SP	SP	SW	SW	SW	SW	SW	SW	SW	SW	SM	SM	SM	SM	SM	SP	SP	SP	SWC	MS	SW	SW	SP
	DEPTH BELOW	20	25	30	36	40	AK	05	35	60	65	70	70	75	80	85	06	95	100	105	110	115	120	125	5	0	0	01	15	07	02	35	40	45	50
	BORING	B-1																							P-7	10 71	N2-8								

RESULT		
Table 1 ITE ASSESSMENT SOIL SAMPLE	AI Sal #23	601 North Grand Avenue

		1								T	T	T	T				T	T	T	-	-	-	-	_
	MTBE (me/kg)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(COO'O) (IN	(c00.0) (IN	(c00'0) GN	
	TOTAL XYLENES (mg/kg)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
ETHAT MANAGEMENT	CITYLBENZENE (mg/kg)	ND (0.005)	ND (0.005)	ND (0.005)	(C00.0) CIN	(000'0) CIN	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
alifornia y 1998 TOLLIENE	(mg/kg)	(000.0) GN	(500.0) (IN	(500 0) (IN	(200.0) CN	(coord) CIN	(0000) (UN	(COU.U) CIN	(C00.0) (IN	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Februar BENZENE	(mg/kg) ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0 005)	(CODID) CIN	(0000) CIV	(COO.O) CIN	ND (0.005)	ND (0 005)	ND (0005)	(0000) (NI	(contro) (TN									
TPH - gas	(mg/kg) ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND / DI	(0.1) UN	ND (1.0)	ND (1 0)	ND (1 0)	ND (1 0)	IND IT ON	(0.1) (IN)	ND (1.0)	ND (1.0)						
USCS	SM	SM	3W	SW	SM	SM	SW	SW	CD	10	32	SP	SW	SW	SM	SM	SM	SM	CD	IC IC	MC	SW	SW	SP
DEPTH BELOW GRADE (feet)	5	15	00	50	· · ·	10	15	20	25	20	00	35	40	45	5	10	15	00	07	67	30	35	40	45
BORING NUMBER	B-3			B-4											B-5									

Benzene, toluene, ethylbenzene, and total xylenes analyzed using U.S. EPA Method 8020 IPH-gas = Total petroleum hydrocarbons as gas

MTBE= Methyl Tertiary Butyl Ether analyzed using U.S. EPA Method 8020

(a) = MTBE analyzed using U.S. EPA Method 8260A

mg/kg = milligrams per kilogram USCS = Unified Soil Classification System soil type

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LOG OF SOIL BORING B-1

PROJECT NAME:	Al-Sal #23		5010			0007.004
Boring Location: Drilling Contractor: Drilling Equipment: Driller: Drilling Method: Borehole Diameter: Sampling Method: Hammer weight: Hammer drop: Backfill Material: Logged By:	Through US Cascade Dri B-61 Shannon Ma Hollow Stem 6 inch 2" ID Califorr 140 lbs. 30 inches Grout E. Trosper, R	T excavation liling gee Auger hia Split Spoo G 4586, CEG	n modified i 1526		Elevation and Datum (feet msl): Date Started: Date Completed: Completed Depth (ft bg): Water Depth (feet): WELL CONS Type and Diameter of Well Casing Slot Size: Filter Material: Development Method:	NA February 17, 1998 February 17, 1998 126 NA STRUCTION 5: NA NA NA NA
(feet)	Well Detail	PID Reading	Sample Number	Blow Coun and Time	t Description	The second s
					2' square vault set in concrete surfa 18" diameter casing set between with sand	ce, 1/2" hex bolts new USTs, filled
- °						
_						
_						
-						
10						
					And Street, Street, Street, St.	
					Native soils at approximately 20 fe	et below grade
		12.2	B1-20	29750 8:04	SAND with gravel, medium brown very dense, gravel to 1/2 inch o iron oxide staining	, fine to coarse grained, moist, fiameter, lithic (granite), rounded,
_						
SP 	2	98.2	B1-25	11 / 18 / 18 8:07	SAND, dark gray, very fine to fine micaceous, silt approximately	grained, moist, medium dense, 5 percent
-						
	2	9.8	в1-30	12 / 15 / 40 8:18	SAND, dark brownish gray, fine to gravel to 1/2 inch diameter (lith	o coarse grained, moist, very der nic), silt approximately 5 percent

se,

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LOG OF SOIL BORING B-1

Deeter HAME:		Al-Sal #23				PROJECT NUMBER: 9507-20A
(feet)	Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	Description
35 sw			30.2	B1-35	28 / 50 8:12	SAND, dark brownish gray, fine to coarse grained, moist, very dense, gravel to 3/4 inch diameter (lithic), silt approximately 5 percent, coarser than 30 foot sample
40sw			29.6	B1-40	36/ 70 8:16	SAND, dark brownish gray, fine to coarse grained, moist, very dense, gravel (granite) to 1/2 inch diameter
5 sw			56.1	B1-45	39 / 50 for 6" 8:25	SAND, dark brownish gray, fine to coarse grained, moist, very dense, gravel (granite) to 2 inch diameter and above (may be a GW)
=						Pulled off to wait for lab analyses and set up on B-4 at 8:25 Back on B-1 at 9:20
SM			76.2	B1-50	12 / 15 / 23 9:27	SILTY SAND, medium yellowish brown, fine grained, moist, medium dense, silt approximately 20 percent
sw			25.9	B1-55	50 for 6" 9:30	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel (granite) to 2 inch diameter
						Down to wait for additional auger at 9:30 Auger onsite 10:25
sw			53.9	B1-60	70 for 6" 10:34	SAND, medium brownish gray, fine to coarse grained, moist, very dense, gravel to 1/8 inch diameter
sw			70.2	B1-65	60 / 50 for 2" 10:38	SAND, medium brownish gray, fine to coarse grained, moist, very dense, gravel to 2 inch and above diameter
SP			149	B1-70	60 for 6" 10:42	SAND, medium brownish gray, fine to medium grained, moist, vo dense, trace gravel to 1/8 inch diameter, silt approximately 10 percent

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ry

LOG OF SOIL BORING B-1

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ology	Well	0	-	9507-20A
	Detail Read	D Sample ding Number	Blow Count and Time	Description
	72.	4 B1-75	100 for 6" 10:45	SAND, medium brownish gray, fine to medium grained, moist, very dense, trace gravel to 1/8 inch diameter, silt less than 10 percent, sample coarser than 75 foot below grade sample
	59.8	B B1-80	70 for 6" 10:52	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/2 inch in diameter
	33.9	B1-85	100 for 6" 10.58	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/2 inch in diameter
	41.0	B1-90	100 for 6" 11:00	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1 inch in diameter
	36.8	B-1-95	100 for 6" 11:07	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 2 inch in diameter
	27.1	B1-100	100 for 6" 11:12	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/2 inch in diameter
	24.2	B1-105	100 for 6" 11:17	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/2 inch in diameter Down per ET at 11:17 Told drillers to pull auger on B-4 at 11:48
	24.8	B1-110	70 for 6" 12:36	Resumed drilling at 12:32 SAND, medium yellowish brown, fine to coarse grained, moist, ven dense, gravel to 1/2 inch in diameter
		Detail Read 72. 59.8 33.9 41.0 36.8 27.1 24.2 24.8	Detail Reading Sumper Number 72.4 B1-75 59.8 B1-80 33.9 B1-85 41.0 B1-90 36.8 B1-95 27.1 B1-100 24.2 B1-105	Detail Reading Number Blow Count and Time and

115

*
PROJECT NAME:	AI-Sal #23
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Depth	11000						PROJECT NUMBER: 9507-20A
(feet)	USUS	Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	Description
115	SW			7.4	B1-115	100 for 6" 12:42	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/2 inch in diameter Hard drilling
120	SM			11.1	B1-120	19 / 60 12:55	SILTY SAND, medium yellowish brown, very fine to fine grained, moist, very dense, micaceous, silt approximately 25 percent
25	SM		ernia Numbe	45.7	B1-125	35 / 50 for 6" 13:02	SILTY SAND, medium yellowish brown, very fine to fine grained,

BOTTOM OF LOGGED HOLE 126 feet

Drilling moderate to hard. Began drilling with 6" augers at 7:45 on 2-17-98. Last sample at 13:02. Pulled augers at 13:52. Backfilled with bentonite grout, replaced vault lid.

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(F)	NVIRONMENTAL APPLICATIONS, IN	IC.	2130 Huntington Drive Suite 300 South Pasadena, California 91030 (818) 799-4486 FAX (818) 799-5135
Mar	ch 16, 1998		Project 9507-20A
Los 101 Mon	Angeles Regional Water Quali Centre Plaza Drive terey Park, CA 91754-2156	ty Control Board (RWQCB)	CALIFORNIA CALIFORNIA DUALITY LOS AN
Re:	Site Assessment Report Al Sal Oil Company #23 601 N. Grand Avenue Covina, California RWQCB File Number 1-09	RECEIVED CASE # I-0979 DATE 3/16/9 0791 HP	EIVED 16 PM 1: 03 CONTROL BOARD GELES REGION

Dear Mr. Patel:

At the request of our client, Al Sal Oil Company, Inc. (Al Sal), Environmental Applications, Inc. (EA) is pleased to submit this report on the site assessment conducted at the referenced property (refer to Figure 1). The purpose of this work was to assess the horizontal and vertical extent of hydrocarbon impacts in the soils beneath the site, as required by the RWQCB in letters dated May 14 and November 26, 1997. A workplan by EA dated December 5, 1997, was submitted to the RWQCB, and, after revision, accepted by the RWQCB in their letter dated December 18, 1997. A fax with preliminary data from the site assessment was sent to the RWQCB on February 20, 1998.

BACKGROUND

Al Sal #23 is located in a commercial/residential area of Covina, on the northwest corner of North Grand Avenue and San Bernardino Road. Three gasoline underground storage tanks (USTs) and one diesel UST were removed from the site on June 28, 1995. After removal, soil samples were collected by EA from soils beneath the USTs, fuel dispensers, and product delivery lines. Based on the laboratory analytical results of the soil samples collected, soils beneath the west ends of the USTs and beneath all 13 dispensers were impacted by petroleum hydrocarbons. The highest gasoline concentrations reported were 1,770 milligrams per kilogram (mg/kg) beneath the gasoline USTs, 6,000 mg/kg beneath dispenser D10, and 10,000 mg/kg at piping sample P3. The highest diesel concentrations reported were 5,620 mg/kg beneath the diesel UST and 5,100 mg/kg beneath dispenser D13.

During reconstruction of the station, conductor casings were installed between the new, double

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950720A/ASSESS.DOC March 16, 1998 walled USTs to allow access to the soils under the portion of the former UST excavation with the highest reported hydrocarbon concentrations. Three well vaults were installed to allow for borings to be made without having to core the new concrete.

Groundwater was not encountered in the UST excavation. According to the Los Angeles County Department of Public Works (LACDPW) groundwater map for Fall 1995, depth to groundwater is on the order of 175 feet below grade (bg) in the vicinity of the site. Direction of groundwater flow in the area of the site is generally southwest according to the LACDPW Hydrogeology Section.

WORK PERFORMED

Exploratory Soil Borings and Sampling

Six soil borings (B-1 through B-5 and B-2A) were drilled to assess the lateral and vertical extent of hydrocarbon impact. B-1 was drilled through the UST excavation at the approximate location of the highest reported hydrocarbon concentration, and B-4 and B-5 were drilled west of the UST excavation. B-2 was drilled east of the excavation and south of the south dispenser island. Refusal was encountered at 6.5 feet bg in B-2, and the boring was moved east, to B-2A. B-3 was drilled north of the north dispenser island.

B-6, B-7, and B-8 were to be drilled near the north, east, and south property lines, but EA felt that enough analytical data had been collected from the other borings to complete the assessment. The boring locations are shown on the attached site plan (Figure 2). Boring logs are included in Appendix A.

Soil borings B-1, B-3, and B-4 were drilled on February 17, 1998, using a Mobile Drill B-61. Soil borings B-2, B-2A, and B-3 were drilled on February 18, 1998, using a CME-75 limited access rig (LAR). The LAR and the B-61 were equipped with 6-inch hollow stem augers. A California registered geologist supervised all field activities.

As required in the RWQCB letter dated December 18, 1997, borings were advanced to 20 feet below soils that have been impacted to assess vertical depth. Soils impacted by petroleum hydrocarbons were defined as soils with concentrations of total petroleum hydrocarbons as gasoline (TPH-gas) at or above 1.0 mg/kg; total petroleum hydrocarbons as diesel (TPH-diesel) at or above 10 mg/kg; benzene, toluene, or ethylbenzene at or above 0.005 mg/kg; total xylenes at or above 0.015 mg/kg; or methyl tertiary butyl ether (MTBE) at or above 0.01 mg/kg. However, B-2 was terminated at 6.5 feet bg due to refusal. B-1 was drilled to a depth of 126 feet bg. Soil borings B-2A and B-3 were drilled to 51.5 and 21.5 feet bg respectively. B-4 and B-5 were each drilled to 46 feet bg.

Soil samples were collected at 5 foot intervals; however, no soil samples from 5, 10, and 15 feet bg in B-1 were collected due to the casing emplaced through the UST excavation. Fifty-five soil

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samples were collected. Soil samples were collected in 2-inch diameter stainless steel sample collection tubes using a split-spoon sampler and a 140-pound downhole hammer. The tubes were sealed with Teflon tape, covered with plastic caps, labeled as to sample location, logged and classified using the Unified Soil Classification System (USCS). A boring log was prepared for each boring based on visual classification of undisturbed soil samples.

Soil samples were hand delivered to an onsite mobile laboratory. Chain of custody procedures were maintained for all soil samples.

During sampling, ambient air monitoring and soil sample screening was conducted for volatile organic compounds (VOCs) using a photoionization detector (PID). The PID was calibrated before each day's work with an isobutylene standard, and internally adjusted so that the readings were reported relative to hexane. During soil sampling, the qualitative headspace method of analysis for VOCs was used. The VOC readings as measured by the PID are included on the boring logs.

The hollow-stem auger, bits, and downhole equipment were steam-cleaned prior to use and between borings to minimize the potential for cross-contamination. Between each sample, the split-spoon samplers were disassembled, washed in a solution containing tri-sodium phosphate, double rinsed with clean potable water, and air-dried immediately prior to use. The sampler was lined with similarly cleaned and dried stainless steel tubes, and reassembled for use.

During drilling, soils were placed in federal Department of Transportation (DOT)-approved hazardous waste drums for storage of drill cuttings. The drums were labeled with the soil boring number and stored at a convenient location on-site to await disposal.

Laboratory Analyses

All fifty-five soil samples collected were analyzed by a California State Department of Health certified mobile laboratory (Jones Environmental, Inc.) The soil samples were analyzed for TPH-gas using United States Environmental Protection Agency (U.S. EPA) method 8015 modified and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and MTBE using U.S. EPA method 8020. Reporting limits specified were 1.0 mg/kg for TPH-gas and 0.005 mg/kg for BTEX and MTBE. Two samples with the high MTBE concentrations were confirmed using U.S. EPA method 8260 by BC Laboratories, Inc.

According to the workplan, selected soil samples were to be analyzed for TPH-diesel; however, none of the chromatograms of the soil samples showed any indication of containing the lower range of diesel (the lower range of diesel and the upper range of gasoline overlap). Therefore, the soil samples were not analyzed for TPH-diesel.

It should be noted that the detection limits for total xylenes and MTBE are less than the concentrations used to define impact in the soils: TPH-gas at or above 1.0 mg/kg; benzene, toluene, or ethylbenzene at or above 0.005 mg/kg; total xylenes at or above 0.015 mg/kg; or

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MTBE at or above 0.01 mg/kg.

Laboratory Results of Samples

Laboratory results of soil and groundwater samples analyzed are presented in Table 1. The laboratory reports and chain-of-custody forms are attached as Appendix B.

In B-1, no impact from TPH-gas or BTEX was reported in the soil samples analyzed. Soils were impacted by MTBE to 105 feet bg. The soil sample from 70 feet bg was reported to contain 0.13 mg/kg MTBE using U.S. EPA method 8020; the MTBE concentration was confirmed at 0.017 mg/kg using U.S. EPA method 8260.

The sample from B-2 at 5 feet bg was reported to contain 100 mg/kg TPH-gas, 2.7 mg/kg benzene, 2.4 mg/kg toluene, 2.3 mg/kg ethylbenzene, 3.9 mg/kg total xylenes, and 5.5 mg/kg MTBE. The MTBE concentration was confirmed at 1.2 mg/kg using U.S. EPA method 8260.

In B-2A, impact from benzene, toluene, and total xylenes was reported to 5 feet bg and from TPH-gas and ethylbenzene was reported to 10 feet bg. Impact from MTBE was reported to 30 feet bg. Soil samples from B-3, B-4, and B-5 were not reported to contain TPH-gas, BTEX, or MTBE above laboratory detection limits.

Soil Disposal

Twelve drums of soil and two drums of water used for decontamination were generated during drilling. The soil was disposed of as non-hazardous waste on March 6, 1998, and the water on March 9, 1998. Disposal manifests are included in Appendix C.

SUBSURFACE SOIL CONDITIONS

An approximately 5 foot thick layer of sands, silts, and gravel, likely a mixture of imported and native soils used as fill material during grading, was encountered in B-2, B-2A, and B-5. The native soils beneath the fill are categorized as sands, ranging from silty sands to fine grained sands to coarse grained sands with gravel. These soils are characteristic of sediments laid down by stream deposition in an alluvial environment. Beneath the site, intervals of silty sands were encountered in boring B-1 between 120 and 125 feet bg, in borings B-3 and B-4 between 5 and 10 feet bg, and in boring B-5 between 5 and 20 feet bg.

CONCLUSIONS

Non-MTBE hydrocarbon impact was reported in B-2A to 10 feet bg. Beneath the USTs, non-MTBE hydrocarbon impact was not reported in B-1. MTBE impact was reported in B-1 to 105 feet bg and in B-2A to 30 feet bg.

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950720A/ASSESS.DOC March 16, 1998 Depth to groundwater in the vicinity of the site is estimated as approximately 170 feet bg. With MTBE impact reported at 105 feet bg, there is a separation of approximately 65 feet between the impact and groundwater.

(NO P

While no site assessment is perfect (tongues of impacted soil can easily extend between soil boring locations), the lack of drilling B-6, B-7, and B-8 has no overall impact on the conclusion that the site poses little threat to groundwater.

RECOMMENDATIONS

EA recommends closure of the site without conducting additional assessment.

Limitations

This report, consisting of professional opinions and/or recommendations, has been prepared in accordance with generally accepted principles and practices in the field of environmental geology and engineering. This warranty is in lieu of all other warranties either expressed or implied.

If you have any questions or require additional information pertaining to this report, please feel free to contact us.

Sincerely,

ENVIRONMENTAL APPLICATIONS, INC.

Edward J. Grooper

Edward J. Trosper, R.G. 4586, C.E.G. 1526 Senior Project Manager



Enclosures:

CC:

Figure 1 - Location Map
Figure 2 - Site Plan
Table 1 - Site Assessment Soil Sample Results, February 1998
Appendix A - Soil Boring Logs
Appendix B - Laboratory Reports and Chain of Custody Forms
Appendix C - Soil Disposal Manifests

Mr. Montri Phuvadakorn, Al Sal Ms. Kathy Jundt, SWRCB



LOCATION MAP

Scale: 1" = 2400 Feet







FIGURE 1 - LOCATION MAP

SITE ASSESSMENT REPORT Al Sal Oll Company #23 601 N. Grand Avenue Covina, California RWQCB File Number I-09791

Project 9507-20A



Project 9507-20A

		MTDF	(malba)	() DOR	0.070	0.018	0:030	0.032	0.067	0.13	0.085	0.045	0.077	0.13	0.017 (a)	0.094	0.094	0.014	0.017	0.037	0.012	0.020	0.008	0.008	(500.0) UN	5.5	1.2 (a)	0.13	0.38	0.20	0.11	0.007	0.020	0.009	0.008	ND (0.005)	ND (0.005)	
		TOTAL XYLENES	(mg/kg)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(SUU) (UN)	ND (0.005)	ND (0:005)	(200.0) UN	(COU.0) CINI	3.9		0.053	0.006	ND (0.005)												
8		ETHYLBENZENE	(mg/kg)	ND (0.005)	ND (0.005)	ND (0.005)	(0000) GM	(COU.D) CIN	(200.0) GM	(CODIC) (IN	(500.0) GN	(CONTO) CITA	(COU.O) UNI	(control aut	ND (0 005)	(COULD) CIV	(COULD) CIVI	(contro) div	(COU.U) UN	(200.0) UN	(200.0) CM	(COU.O) CIN	(COU.D) CIVI	(COU.U) CIVI	(500.0) GN	2.3		0.12	0.011	ND (0.005)								
ole 1 DIL SAMPLE RESULT	ll #23 rand Avenue 2alifornia y 1998	(mg/kg)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0 005)	(20070) CN	ND (0.005)	(coord) du	(SOU U) UN	(500 0) UN	ND (0.005)	2.4		0.029	ND (0.005)														
Tat TTE ASSESSMENT SC ALC:	601 North G Covina, (Februa BENZENE	(mg/kg)	ND (0.005)	(2000) UN	(2000) UN	ND (0.005)	(2000) UN	ND (0.005)	ND (0.005)	(2000) UN	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0 005)	ND (0.005)	ND (0.005)	2.7		0.12	ND (0.005)	VID (D US)	(control and							
S	TPH - gas	(mg/kg) ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1 0)	ND (1.0)	ND (1 0)	ND (1 0)	(DI) CIV	(0.1) GNI	Arts on	(0.1) (IN)	(0.1) UN	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100		3.7	1.1	ND (1.0)	ND (1 0)	ND (1 0)	(0.1) (IV)	(0.1) (IN				
	USCS	SW	SP	SW	SW	SW	SW	SM	SW	SW	SW	SP	SP	CD	SW	WC NO	3W	SW	SW	SW	SW	SW	SW	SM	SM	SM	SM	SM	SP	SP	SP	SW	SW	SW	c W/	MO	SW	SP
	DEPTH BELOW GRADE (feet)	20	30	35	CC UV	40	64	00	55	60	65	70	70	75	80	85	00	05	66	100	105	110	115	120	125	5	5	5	10	15	20	25	30	35	00	40	45	50
	BORING NUMBER B-1																									B-2		B-2A										

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Environmental Applications, Inc.

1		MTDE	(mg/kg)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(00.00) UNI ND (0.005)	(2007) CN	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)											
		TOTAL XYLENES	(mg/kg)	ND (0.005)	ND (0.005)	(500.0) UN	(con.o) dr.	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)						
		ETHYLBENZENE	(mg/kg) ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)						
e 1 L SAMPLE RESULTS #23	und Avenue hifôrnia 1998	TOLUENE (mg/kg)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(200.0) GM	(0000) CV	ND (0 005)	(0000) QV	(200.0) UN	(200.0) UN	(C00.0) CM	(SU0.0) CIN	(C00.0) CIN	(\$00.0) UN	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	8015M					
E ASSESSMENT SOI AI Sal	601 North Gra Covina, Ca February BENZFNF	(mg/kg)	ND (0.005)	(conco) GV	(0000) ON	(500.0) ON	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	(CONTO) CIT	(contro) and		(C00.0) CIVI	(C00.0) (IN	ND (0.005)	sing U.S. EPA Method	Method 8020								
SIT	TPH - gas	(mg/kg) ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1 0)	ND (1 0)	ND (1.0)	(0.1) (IV)	(0.1) (IV)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ed in parentheses C4 - C14) analyzed u	'zed using U.S. EPA	S. EPA Method 8020			
	USCS	SM	SM	WC MC	MC	WC	SM SW	WC CUL	on CD	OF OF	SP	SP	SW	SW	SM	SM	SM	SM	INC	SP	SW	SW	SW	SP	letection limit liste	total xylenes analy	analyzed using U.	Method & 200A	vstem soil type	
	DEPTH BELOW GRADE (feet)	5	15	20	5	10	15	20	25	30	95	CC .	40	45	5	10	15	20	25	C7	30	35	40	45	above laboratory c	etroteum nyurocar	rtiary Butyl Ether	ed using U.S. EPA	s per kilogram	III CIASSITICATION
	BORING NUMBER	D-3			B-4										B-5										(ID = not detected	PH-gas = 1 otal percence, e	TBE= Methyl Te	() = MTBE analyz	g/kg = milligrams	SCS = Unified ou

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Environmental Applications, Inc.

Page T1-2

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APPENDIX A

SOIL BORING LOGS

PROJECT NAME:	Al-Sal #23	PROJECT NUMBER:	9507-20A
Boring Location: Drilling Contractor: Drilling Equipment: Driller: Drilling Method:	Through UST excavation Cascade Drilling B-61 Shannon Magee Hollow Stem Auger	Elevation and Datum (feet msl): Date Started: Date Completed: Completed Depth (ft bg): Water Depth (feet):	NA February 17, 1998 February 17, 1998 126 NA
Borehole Diameter: Sampling Method: Hammer weight: Hammer drop: Backfill Material: Logged By:	6 inch 2º 10 California Split Spoon modified 140 lbs. 30 inches Grout E. Trosper, RG 4586, CEG 1526	WELL CON Type and Diameter of Well Casir Slot Size: Filter Material: Development Method:	STRUCTION Ig: NA NA NA NA

(feet)	Detail	Reading	Number	and Time	the state of the second st
I.I.I.I					2' square vault set in concrete surface, 1/2" hex bolts 16" diameter casing set between new USTs, filled with sand
10					
1 1 1 1 15 1 1					
 		12.2	81-20	297.50	Native soils at approximately 20 feet below grade First sample at 20'
			5120	8:04	very dense, gravel to 1/2 inch diameter, lithic (granite), rounded, iron oxide staining
25					
SP		98.2	B1-25	11 / 18 / 18 8:07	SAND, dark gray, very fine to fine grained, moist, medium dense, micaceous, silt approximately 5 percent
sw		29.8	B1-30	12 / 15 / 40 8:18	SAND, dark brownish gray, fine to coarse grained, moist, very dense gravel to 1/2 inch diameter (lithic), silt approximately 5 percent
-					

Depth USCS	Lithology	Well	DID	Comercia	01-01-0	
(feet)	Liniology	Detail	Reading	Number	and Time	t Description
35 sw			30.2	B1-35	28 / 50 8:12	SAND, dark brownish gray, fine to coarse grained, moist, very dense, gravel to 3/4 inch diameter (lithic), silt approximately 5 percent, coarser than 30 foot sample
40sw			29.6	B1-40	36/ 70 8:16	SAND, dark brownish gray, fine to coarse grained, moist, very dense, gravel (granite) to 1/2 inch diameter
15 sw			56.1	B1-45	39 / 50 for 6" 8:25	SAND, dark brownish gray, fine to coarse grained, moist, very dense, gravel (granite) to 2 inch diameter and above (may be a GW) Pulled off to wait for lab analyses and set up on B-4 at 8:25
SM			76.2	B1-50	12 / 15 / 23 9.27	Back on B-1 at 9:20 SILTY SAND, medium yellowish brown, fine grained, moist, medium dense, silt approximately 20 percent
sw			25.9	B1-55	50 for 6" 9:30	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel (granite) to 2 inch diameter Down to wait for additional auger at 9:30
sw			53.9	B1-60	70 for 6" 10:34	SAND, medium brownish gray, fine to coarse grained, moist, very dense, gravel to 1/8 inch diameter
sw		-	70.2	B1-65	60 / 50 for 5 2" 10:38	SAND, medium brownish gray, fine to coarse grained, moist, very dense, gravel to 2 inch and above diameter
SP		1.	49	B1-70	60 for 6" S 10:42	AND, medium brownish gray, fine to medium grained, moist, ver dense, trace gravel to 1/8 inch diameter, silt approximately 10 percent

-			AI-Sal #23				PROJECT NUMBER: 9507-20A
(feet)	USCS	Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	It Description
75	SP			72.4	B1-75	100 for 6" 10:45	SAND, medium brownish gray, fine to medium grained, moist, very dense, trace gravel to 1/8 inch diameter, silt less than 10 percent, sample coarser than 75 foot below grade sample
80	sw			59.8	B1-80	70 for 6" 10:52	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/2 inch in diameter
85	sw			33.9	B1-85	100 for 6" 10:58	SAND, medium yellowish brown, fine to coarse grained, moist, ver dense, gravel to 1/2 inch in diameter
90	sw			41.0	B1-90	100 for 6" 11:00	SAND, medium yellowish brown, fine to coarse grained, moist, ve dense, gravel to 1 inch in diameter
95 SV	N			36.8	B-1-95	100 for 6" 11:07	SAND, medium yellowish brown, fine to coarse grained, moist, v dense, gravel to 2 inch in diameter
o sw				27.1	B1-100	100 for 6" 11:12	SAND, medium yellowish brown, fine to coarse grained, moist, dense, gravel to 1/2 inch in diameter
sw				24.2	B1-105	100 for 6" 11:17	SAND, medium yellowish brown, fine to coarse grained, moist, dense, gravel to 1/2 inch in diameter Down per ET at 11:17 Told drillers to pull auger on B-4 at 11:48
sw			2	4.8	B1-110	70 for 6" 12:36	Resumed drilling at 12:32 SAND, medium yellowish brown, fine to coarse grained, mois dense, gravel to 1/2 inch in diameter

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	-							PROJECT NUMBER: 9507.204
	(read)	USCS	Libology	New Contract	PID	Sample	Barn Court	Description
	115				meaning	Number	and Time	And the state of t
	T	Sw			7.4	81-115	100 for 8" 12.42	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/2 inch in diameter
1								Hard drilling
1	120	-						
-	ulululu	-			11.1	81-120	19/60	SILTY SAND, medium yeliowish brown, very fine to fine grained, moist, very dense, micaceous, silt approximately 25 percent
	125	SM			45.7	B1-125	35 / 50 for 6" 13:02	SILTY SAND, medium yellowish brown, very fine to fine grained, moist, very dense, micaceous, silt approximately 25 percent
	-							BOTTOM OF LOGGED HOLE 126 feet
1	111							Dritting moderate to hard. Began dritting with 6" augers at 7:45 on 2-17-96. Last sample at 13:02. Pulled augers at 13:52. Backfilled with bentonite grout, replaced vault kd.
	-							
	-							
12								
	-							
-								
-								
-								
-								

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PROJECT NAME:	
Boring Location:	
Drilling Equipment:	
Drilling Method:	
Sampling Method:	
Hammer weight: Hammer drop:	
Backfill Material: Logged By:	

South of south island center Cascade Drilling Limited access rig (LAR) - CME 75 Mark Trusty Hollow Stem Auger 6 inch 2" ID California Split Spoon modified 140 lbs. 30 inches Grout E. Trosper, RG 4586, CEG 1526

Al-Sal #23

PROJECT	NUMBER:	
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NA
February 18, 1998
February 18, 1998
6.5
NA

WELL CONSTRUCTION Type and Diameter of Well Casing: NA Slot Size: NA Filter Material: NA Development Method: NA

9507-20A

	(feet)	USCS	Lithology	Detail	PID Reading	Sample Number	Blow Count and Time	Description
	IIIII	SM						2' square vault set in concrete surface, 1/2" hex bolts. Hand augered to 3.5', opened to auger diameter with post hole digger. No obstructions. Silty sand and pea gravel,
	5	SM			2,000+	B2-5	7/17/29 9:02	SILTY SAND, dark gray, fine to medium grained, moist, dense, gravel to 1/4 inch diameter, caliche, pieces of brick [FILL] 6:5: Encountered concrete (REFUSAL)
	-							BOTTOM OF LOGGED HOLE 6.5 feet
	1011111111							Drilling easy. Began drilling with 6" augers at 9:00 on 2-18-98. Last sample at 9:02. Pulled augers at 9:30. Backfilled with concrete and bentonite chips, replaced vault lid.
	-							
20								
	-							
1	-							
	-							
25_	=							
-	=							
-	-							
-	7							
-								
-								
-								
-								
-								

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I NO		AME

Boring Location: Drilling Contractor: Drilling Equipment: Driller: Drilling Method: Borehole Dlameter: Sampling Method: Hammer weight: Hammer drop: Backfill Material: Logged By: East end of south island Cascade Drilling Limited access rig (LAR) - CME 75 Mark Trusty Hollow Stem Auger 6 inch 2" ID California Split Spoon modified 140 lbs. 30 inches

E. Trosper, RG 4586, CEG 1526

Al-Sal #23

Grout

PROJECT NUMBER:

Elevation and Datum (feet msl): Date Started: Date Completed: Completed Depth (ft bg): Water Depth (feet): NA February 18, 1998 February 18, 1998 51.5 NA

9507-20A

WELL CONSTRUCTION Type and Diameter of Well Casing: NA Siot Size: NA Filter Material: NA Development Method: NA

0	pepth feet)	USCS	Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	Description
	1111	SM						2' square vault set in concrete surface, 1/2" hex bolts. Hand augered to 4.5', opened to auger diameter with post hole digger. No obstructions. Seepage at 4 feet, silty sand and pea gravel, petroleum odor.
	5 1 1 1 1	SM			42.2	B2A-5	8 / 15 / 25 13:10	SILTY SAND, dark gray, fine to medium grained, wet, dense, fragments of brick, gravel to 1 inch in diameter, sewer scent [FILL]
1		SP			180	B2A-10	28/50	SAND, dark gray, medium to coarse grained, moist to wet, very
							13.10	dense, graver to 1 1/6 inch diameter
15	5	SP			429	B2A-15	9 / 15 / 18 13:27	SAND, dark gray to dark yellowish brown, medium to coarse grained, moist to wet, medium dense, gravel to 1 1/8 inch diameter
20		SP			120	B2A-20	18 / 20 / 25 13:30	SAND, medium yellowish brown, fine grained, moist, dense, micaceou Down per ET at 13:30
- 25		sw			3.8	B2A-25	12 / 18 / 26 13:55	SAND, medium yellowish brown, fine to coarse grained, moist, dense, gravel (lithic) to 1/4 inch in diameter
	s	sw			5.6	B2A-30	17 / 25 / 34 14:05	SAND, medium yellowish brown, fine to coarse grained, moist, dense, gravel to 1/8 inch in diameter
35			-					

OJEC.	T NAME:		Al-Sal #23				PROJECT NUMBER: 9507-20A
(feet)	USCS	Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	Description
35	sw			7.3	B2A-35	19 / 25 / 34 14:05	SAND, medium reddish brown, fine to coarse grained, moist, dense, gravel to 1/4 inch in diameter (lithic)
	sw			6.8	B2A-40	15 / 21 / 37 14:10	SAND, medium yellowish brown, fine to coarse grained, moist, dense, gravel to 1/8 inch diameter (lithic, subrounded)
	sw			6.8	B2A-45	18 / 28 / 36 14:50	SAND, medium yellowish brown, fine to coarse grained, moist, dense, finer grained than 40 foot sample.
	SP			5.1	B2A-50	16 / 25 / 35 14:55	SAND, medium yellowish brown, fine to medium grained, moist dense
							Drilling easy. Began drilling with 6" augers at 12:45 on 2-18-98 Last sample at 14:55. Pulled augers at 15:40. Backfilled with bentonite grout, replaced vault lid.

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			100 million (1990)

Boring Location: Drilling Contractor: Drilling Equipment: Driller: Drilling Method: Borehole Diameter:

Sampling Method: Hammer weight: Hammer drop: Backfill Material:

Logged By:

30

Al-Sal #23

North of north island
Cascade Drilling
Limited access rig (LAR) - CME 75
Mark Trusty
Hollow Stem Auger
6 inch
2" ID California Split Spoon modified
140 lbs.
30 inches
Grout
E. Trosper, RG 4586, CEG 1526

PROJECT NUMBER:

9507-20A

Elevation and Datum (feet msl): Date Started: Date Completed: Completed Depth (ft bg): Water Depth (feet):

0

NA February 18, 1998 February 18, 1998 21.5 NA

WELL CONST	NSTRUCTION		
ype and Diameter of Well Casing:	NA		
lot Size:	NA		
ilter Material:	NA		
evelopment Method:	NA		

(feet)	S Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	Description
SM	1					2' square vault set in concrete surface, 1/2" hex bolts. Hand augered to 4', opened to auger diameter with post hole digger. No obstructions. Silty sand and pea gravel,
5 SM			5.2	B3-5	14 / 20 / 26 11:01	SILTY SAND, dark grayish brown, fine to medium grained, wet (rains), dense, micaceous, gravel to 1/4 inch diameter, silt approximately 30 percent
10 SM			16.3	B3-10	10 / 17 / 22 11:06	SILTY SAND, dark grayish brown, fine to coarse grained, wet (rains), dense, micaceous, gravel to 1/4 inch diameter, silt approximately 20 percent
5 sw			21.6	B3-15	14 / 20 / 28 11:14	SAND, medium yellowish brown, fine to coarse grained, moist, dense gravel to 1 inch diameter
sw			17.6	B3-20	19/20/28 11:17	SAND, medium yellowish brown, fine to coarse grained, moist, dens gravel to 1/4 inch diameter
						BOTTOM OF LOGGED HOLE 21.5 feet Drilling easy. Began drilling with 6" augers at 11:00 on 2-18-98. Last sample at 11:17. Pulled augers at 12:12. Backfilled with bentonite grout, replaced vault lid.

PROJECT NAME:	AI-Sal #23	PROJECT NUMBER:	3507-204
Boring Location: Drilling Contractor: Drilling Equipment: Driller: Drilling Method	West of diesel island Cascade Drilling B-61 Shannon Magee Hollow Stem Auger	Elevation and Datum (feet msl): Date Started: Date Completed: Completed Depth (ft bg): Water Depth (feet):	NA February 17, 1998 February 17, 1998 46 NA
Borehole Diameter:	6 inch	WELL CON	STRUCTION
Sampling Method:	2" ID California Split Spoon modified	Type and Diameter of Well Casin	g: NA
Hammer weight:	140 lbs.	Slot Size:	NA
Hammer drop:	30 inches	Filter Material:	NA
Backfill Material: Logged By:	Grout E. Trosper, RG 4586, CEG 1526	Development Method:	NA

et)	Linology	Detail	Reading	Number	and Time	
SM						Planter. Hand augered first 5', opened to auger diameter with post hole digger. No obstructions.
						SILTY SAND, medium brown, fine to medium grained, wet (from rain), organic, roots common, silt approximately 30 percent
SM			21.4	B4-5	8 / 4 / 3 8:50	SILTY SAND, medium brown, fine to medium grained, moist, loose, organic, roots common, micaceous, silt approximately 30 percent
SM			20.1	B4-10	2/3/3 8:53	SILTY SAND, medium brown, fine to coarse grained, moist, loose, organic, roots common, micaceous, silt approximately 15 percent, trace gravel to 1/4 inch diameter
sw			24.2	B4-15	4/6/6	SAND, medium yellowish brown, fine to coarse grained, moist, loose, gravel to 1/2 inch in diameter, micaceous, silt
						approximately 15 percent
sw			29.0	B4-20	18 / 25 / 39 8:57	SAND, light yellowish brown, fine to coarse grained (mostly fine to medium), moist, dense, gravel lithic (granite - crushed rock?) to 1/2 inch in diameter
SP			26.7	B4-25	25 / 50 for 5" 9:01	SAND, medium reddish brown, fine to medium grained, moist, very dense, gravel to 1/2 inch in diameter, angular, micaceous
SP			31.4	B4-30	60 for 6" 9:03	SAND, medium reddish brown, fine to medium grained, moist, ve dense, gravel to 1/2 inch in diameter, angular, micaceous, coarser than the 25 foot below grade sample

Depth	T NAME:		AI-Sal #23			- DC	PROJECT NUMBER
(feet)	USCS	Lithology	Well Detail	PID Reading	Sample	Blow Count	Description 9507-20A
35	SP			29.6	B4-35	40 / 50 for 3" 9:05	SAND, medium reddish brown, fine to medium grained, moist, very dense, gravel to 1/2 inch in diameter, angular, very micaceous
40	SW			10.4	B4-40	70 for 6" 9:10	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 3/4 inch diameter (angular to subrounded)
45	sw			31.6	B4-45	39 / 50 for 6" 9:13	SAND, medium yellowish brown, fine to coarse grained, moist, ver dense, gravel to 3/4 inch diameter (angular to subrounded), finer grained than 40 foot sample
50							BOTTOM OF LOGGED HOLE 46 feet Drilling easy. Began drilling with 6" augers at 8:25 on 2-17-98. Last sample at 9:13. Pulled augers at 11:48. Backfilled with bentonite grout, replaced bush.
1111							
5							

65

70_____

				LUG	GOFS	SOIL BC	DRING D-5		
PROJECT	NAME:		Al-Sal #23	3			PROJECT NUMBER:	9507-20A	
Boring Location: Drilling Contractor: Drilling Equipment: Driller: Drilling Method: Borehole Diameter:			West of US Cascade D B-61 Shannon M Hollow Ste 6 inch	STs Drilling Magee Im Auger			Elevation and Datum (feet msl):NADate Started:February 17, 1998Date Completed:February 17, 1998Completed Depth (ft bg):46Water Depth (feet):NA		
Hammer w Hammer d Backfill Ma Logged By	Method: veight: rop: aterial:		2" ID Califo 140 lbs. 30 inches Grout E. Trosper,	RG 4586, CE	G 1526		WELL CONSTRUCTION Type and Diameter of Well Casing: NA Slot Size: NA Filter Material: NA Development Method: NA		
Depth (feet)	USCS	Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	Description		
-	SM						Planter. Hand augered first 5', open with post hole digger. No obstrue	ed to auger diameter ctions.	
I.I.I.I							SILTY SAND, dark yellowish to red (from recent rains), loose, organ approximately 30 percent	dish brown, fine grained, wet ic, roots common, micaceous, silt	
5	SM			36.1	B5-5	2/3/3 15:10	SILTY SAND, dark yellowish to red (from recent rains), loose, organ approximately 30 percent, brick in diameter [FILL]	dish brown, fine grained, wet nic, roots common, micaceous, silt fragments, gravel to 3/4 inch	
10	SM			29.7	B5-10	4/7/9 15:13	SILTY SAND, medium yellowish bi dense, micaceous, silt approxim	rown, fine grained, moist, medium nately 25 percent	
15 S	м			13.5	B5-15	5/9/13 15:13	SILTY SAND, medium reddish bro dense, micaceous, silt approxir	wn, fine grained, moist, medium nately 40 percent, trace clay	
SM	1			28.2	B5-20	12 / 20 / 30 15:20	SILTY SAND, medium yellowish b dense, micaceous, silt approxir	prown, very fine to fine grained, mois mately 30 percent	
SP				28.3	B5-25	18 / 23 / 40 15:23	SAND, medium yellowish brown, dense, gravel to 1/2 inch in dia	fine to medium grained, moist, meter, micaceous	
sw				18.8	B5-30	40 / 50 for 6'' 15:27	SAND, medium yellowish brown, dense, gravel to 1/4 inch in dia	fine to coarse grained, moist, very ameter, angular	
	PROJECT Boring Lc Drilling C Drilling En Borchole Samples Hammer v Hammer v	PROJECT NAME: Boring Location: Drilling Contractor: Borehole Diameter: Sampling Method: Hammer drop: Backfill Material: Logged By: Depth USCS (feet) USCS (feet) SM 5 SM 5 SM 10 SM 5 SM 10 SM 5 SM 10 SM 5 SM 10 SM	PROJECT NAME: Boring Location: Drilling Contractor: Drilling Method: Borehole Diameter: Sampling Method: Hammer veight: Hammer veight: Hammer drop: Backfill Material: Logged By: Depth USCS Lithology (feet) SM SW	PROJECT NAME: AI-Sal #2: Boring Location: West of U. Drilling Contractor: B-61 Drilling Equipment: B-61 Shannon M Borehole Diameter: Shannon M Borehole Diameter: 6 inch Sampling Method: 2" ID Calife Hammer drop: 30 inches Backfill Material: Grout Logged By: E. Trosper, Troppin USCS Lithology Vell SM SM SM SN SM	PROJECT NAME: AI-Sal #23 Boring Location: West of USTs Cascade Dniling Drilling Contractor: B-61 Drilling Method: Shannon Magee Borehole Diameter: 6 inch Sampling Method: 2" ID California Split Spot Hammer weight: 140 lbs. Logged By: E Trosper, RG 4588, CEI Depth USCS Lithology Well [(eet) USCS Lithology Well 5 SM 36.1 5 SM 36.1 5 SM 29.7 5 SM 28.2 6 SM 28.2 5 SM 28.2 6 SM 28.2 6 SM 28.2 6 SM 28.2 6 SM 28.3 6 SM 8.8 SW 18.8 <td>PROJECT NAME: AI-Sal #23 Boring Location: West of USTs Drilling Contractor: Basinon Magee Drilling Equipment: B-81 Bornole Diameter: B-81 Diameter: B-81 Bornole Diameter: B-81 SM B-81 SM B-81 B-9 B-81 B-10 B-10 B-11 B-10 B-11 B-15 SM B-13 SM B-13 S</td> <td>PROJECT NAME; AI-Sal #23 Boring Location: West of USTs Diffling Contractor: Staanon Mage Diffling Method: B of not Samping Method: Diffling Contractor: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Laged By: E. Trosper, RG 4586, CEG 1526 Problemetric: Simping Method: SM Jan SM Jan SM Jan SM Jan SM Zan SM Zan SM Zan SM Zan SM Zan SM Zan SM Zan</td> <td>PROJECT NAME: AL-Sale 20 PROJECT NUME: Boring Location: Use of USTs Cancade Drilling Stamping Equipment Boring Equipment Sampling Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Elevation and Datum (led mell: Date Started: Sampling Reinder: Boring Location: Boring Drilling Equipment Sampling Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Well Cance Stamping Reinder: Harmer weight: 40 bs. Sampling Reinder: Type and Diameter Orgen State: Well Cance State: Promer Variation: Group Cancel E Tooper, RG 4689, CEG 11528 Biow Cont State: Promer Valid Cancel State: Promer Variation: Group Cancel Sampling Reinder: Biow Cont State: Sampling Reinder: SM Jact B5-6 2/3/3 15:10 Still TY SAND, dark yeloweth to per sprosmately 30 percent. back in diamet (FLL) SM Jact B5-15 5/9/13 Still TY SAND, medium yellowish to dense, micacous, sill approximately dense, micacous, sill approximately dense, gravel to 1/2 inch in dia sprosmately 10 Jact in dia sprosmately 10 Jact in dia sprosmately 30 percent. back in diamet (FLL) SM Jact B5-15 5/9/13 Still TY SAND, medium yellowish to dense, gravel to 1/2 inch in dia dense, gravel to 1/2 inch in dia dense, gravel to 1/2 inch in dia dense, gravel to 1/2 inch in dia</td>	PROJECT NAME: AI-Sal #23 Boring Location: West of USTs Drilling Contractor: Basinon Magee Drilling Equipment: B-81 Bornole Diameter: B-81 Diameter: B-81 Bornole Diameter: B-81 SM B-81 SM B-81 B-9 B-81 B-10 B-10 B-11 B-10 B-11 B-15 SM B-13 SM B-13 S	PROJECT NAME; AI-Sal #23 Boring Location: West of USTs Diffling Contractor: Staanon Mage Diffling Method: B of not Samping Method: Diffling Contractor: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Samping Method: Diffling Method: Samping Method: Diffling Contractor: Laged By: E. Trosper, RG 4586, CEG 1526 Problemetric: Simping Method: SM Jan SM Jan SM Jan SM Jan SM Zan SM Zan SM Zan SM Zan SM Zan SM Zan SM Zan	PROJECT NAME: AL-Sale 20 PROJECT NUME: Boring Location: Use of USTs Cancade Drilling Stamping Equipment Boring Equipment Sampling Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Elevation and Datum (led mell: Date Started: Sampling Reinder: Boring Location: Boring Drilling Equipment Sampling Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Wat of USTs Cancade Drilling Stamping Reinder: Well Cance Stamping Reinder: Harmer weight: 40 bs. Sampling Reinder: Type and Diameter Orgen State: Well Cance State: Promer Variation: Group Cancel E Tooper, RG 4689, CEG 11528 Biow Cont State: Promer Valid Cancel State: Promer Variation: Group Cancel Sampling Reinder: Biow Cont State: Sampling Reinder: SM Jact B5-6 2/3/3 15:10 Still TY SAND, dark yeloweth to per sprosmately 30 percent. back in diamet (FLL) SM Jact B5-15 5/9/13 Still TY SAND, medium yellowish to dense, micacous, sill approximately dense, micacous, sill approximately dense, gravel to 1/2 inch in dia sprosmately 10 Jact in dia sprosmately 10 Jact in dia sprosmately 30 percent. back in diamet (FLL) SM Jact B5-15 5/9/13 Still TY SAND, medium yellowish to dense, gravel to 1/2 inch in dia dense, gravel to 1/2 inch in dia dense, gravel to 1/2 inch in dia dense, gravel to 1/2 inch in dia	

	PROJECT	NAME:		AI-Sal #23				PROJECT NUMBER: 9507-20A
	Depth (feet)	USCS	Lithology	Well Detail	PID Reading	Sample Number	Blow Count and Time	Description
	35	sw			35.0	B5-35	30 / 50 for 6" 15:32	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/4 inch in diameter, angular
	40	SW			33.4	B5-40	50 for 6" 15:32	SAND, medium yellowish brown, fine to coarse grained, moist, very dense, gravel to 1/8 inch diameter
	IIIII							
	45	SP			15.3	B5-45	23 / 50 15:36	SAND, medium yellowish brown, fine to medium grained (mostly medium), moist, very dense
								BOTTOM OF LOGGED HOLE 46 feet
50								Drilling easy. Began drilling with 6" augers at 15:05 on 2-17-98. Last sample at 15:36. Pulled augers at 16:00. Backfilled with bentonite grout, replaced soil ontop.
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APPENDIX B

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS

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Approximity

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Tr)	Jones Environmental,	Inc.	
11/	Testing Laboratories	P.O. Box 5387	• Fulle

JONES ENVIRONMENTAL

rton, CA 32828 (714) 449-9937 · FAX (714) 449-9685

LABORATORY REPORT

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Dr., Suite 300 South Pasadena, CA 91030	Report Date: JEL Ref. No.; Client Ref. No.;	02/18/98 B-1947 9506-07A
Attn:	Ed Trosper	Date Sampled:	02/17/98
, and a second s	as male.	Date Received:	02/17/98
Project:	AL-SAL #23	Date Analyzed:	02/17/98
Project Address:	Covina, CA	Physical State:	Soil

ANALYSES REQUESTED

- 1. EPA 8020 = Volatile Aromatic Hydrocarbons
- Mod 8015 Gasoline Volatile Hydrocarbons 2.

Approval:

Steve Jones, Ph.D. Laboratory Manager

Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Dr., Suite 300 South Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/18/98 B-1947 9506-07A
Attn:	Ed Trosper	Date Sampled: Date Received:	02/17/98 02/17/98
Project: Project Address:	AL-SAL #23 Covina, CA	Date Analyzed: Physical State:	02/17/98 Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

		Concentrat	tion (mg/Kg)		Reporting Limits	Surrogate	
Sample ID	MTBE	Benzene	Toluene	Ethylbenzene	<u>Xylenes</u>	<u>(mg/Kg)</u>	Recovery %
B1-20	0.008	ND	ND	ND	ND	0.005	110
B1-25	0.072	ND	ND	ND	ND	0.005	109
B1-30	0.018	ND	ND	ND	ND	0.005	112
B1-35	0.030	ND	ND	ND	ND	0.005	107
B1-40	0.032	ND	ND	ND	ND	0.005	115
B1-45	0.067	ND	ND	ND	ND	0.005	108
B4-20	ND	ND	ND	ND	ND	0.005	108
B4-25	ND	ND	ND	ND	ND	0.005	109
B4-30	ND	ND	ND	ND	ND	0.005	99
B4-35	ND	ND	ND	ND	ND	0.005	106
B4-40	ND	ND	ND	ND	ND	0.005	88
B4-45	ND	ND	ND	ND	ND	0.005	108
B4-5	ND	ND	ND	ND	ND	0.005	106
B4-10	ND	ND	ND	ND	ND	0.005	96
B4-15	ND	ND	ND	ND	ND	0.005	103
B1-50	0.13	ND	ND	ND	ND	0.005	90
31-55	0.085	ND	ND	ND	ND	0.005	104
31-60	0.045	ND	ND	ND	ND	0.005	105
31-65	0.077	ND	ND	ND	ND	0.005	107
31-70	0.13	ND	ND	ND	ND	0.005	100

ND = Not Detected



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LABORATORY RESULTS

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Dr., Suite 300 South Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/18/98 B-1947 9506-07A
Attn:	Ed Trosper	Date Sampled: Date Received:	02/17/98 02/17/98
Project: Project Address:	AL-SAL #23 Covina, CA	Date Analyzed: Physical State:	02/17/98 Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

		Concentrat	tion (mg/Kg)	(g)		Reporting Limits	Surrogate
Sample ID	MTBE	Benzene	Toluene	Ethylbenzene	<u>Xylenes</u>	<u>(mg/Kg)</u>	Recovery %
B1-75	0.094	ND	ND	ND	ND	0.005	102
B1-80	0.094	ND	ND	ND	ND	0.005	93
B1-85	0.014	ND	ND	ND	ND	0.005	102
B1-90	0.017	ND	ND	ND	ND	0.005	92
B1-95	0.037	ND	ND	ND	ND	0.005	103
B1-100	0.012	ND	ND	ND	ND	0.005	93
B1-105	0.020	ND	ND	ND	ND	0.005	103
B1-110	0.008	ND	ND	ND	ND	0.005	100
B1-115	0.008	ND	ND	ND	ND	0.005	90
B1-120	ND	ND	ND	ND	ND	0.005	99
B1-125	ND	ND	ND	ND	ND	0.005	89
B5-5	ND	ND	ND	ND	ND	0.005	91
B5-10	ND	ND	ND	ND	ND	0.005	90
B5-15	ND	ND	ND	ND	ND	0.005	91
B5-20	ND	ND	ND	ND	ND	0.005	98
B5-25	ND	ND	ND	ND	ND	0.005	101
35-30	ND	ND	ND	ND	ND	0.005	103
35-35	ND	ND	ND	ND	ND	0.005	104
25-40	ND	ND	ND	ND	ND	0.005	93
5-45	ND	ND	ND	ND	ND	0.005	90

ND = Not Detected



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QUALITY CONTROL INFORMATION

130 Huntington Dr., Suite 300 outh Pasadena, CA 91030	JEL Ref. No.: Client Ref. No.:	B-1947 9506-07A
d Trosper	Date Sampled:	02/17/98
	Date Received:	02/17/98
L-SAL #23	Date Analyzed:	02/17/98
ovina, CA	Physical State:	Soil
	130 Huntington Dr., Suite 300 outh Pasadena, CA 91030 d Trosper L-SAL #23 ovina, CA	130 Huntington Dr., Suite 300 outh Pasadena, CA 91030JEL Ref. No.: Client Ref. No.:d TrosperDate Sampled: Date Received: Date Analyzed: ovina, CA

EPA 8020 - Volatile Aromatic Hydrocarbons

Sample Spiked: B1-120

Parameter	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability <u>Range (%)</u>
Toluene	95%	98%	2.6%	65 - 125
o-Xylene	96%	98%	1.9%	65 - 125
Sample Spiked: B1-125				
	MS	MSD		Acceptability
Parameter	Recovery (%)	Recovery (%)	RPD	Range (%)
Parameter	<u>Accovery (70)</u>	Recovery (70)	MIL	<u>Itunge (101</u>
Toluene	101%	100%	0.66%	65 - 125
o-Xylene	101%	100%	0.90%	65 - 125
Sample Spiked: B4-40				
	MS	MSD		Acceptability
<u>Parameter</u>	Recovery (%)	Recovery (%)	<u>RPD</u>	Range (%)
oluene	96%	96%	0.7%	65 - 125
-Xylene	95%	101%	6.0%	65 - 125
The second se				

Method Blank = Not Detected

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference



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LABORATORY RESULTS

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Dr., Suite 300 South Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/18/98 B-1947 9506-07A
Attn:	Ed Trosper	Date Sampled: Date Received:	02/17/98 02/17/98 02/17/98
Project: Project Address:	AL-SAL #23 Covina, CA	Date Analyzed: Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

	Concentration	Surrogate <u>Recovery %</u>	Reporting Limits (mg/Kg)
Sample ID	<u>(mg/Kg)</u>		(mg/15)
R1-20	ND	109	1.0
B1-20 B1-25	ND	109	1.0
B1-20 B1-30	ND	109	1.0
B1-35	ND	97	1.0
B1-40	ND	113	1.0
B1-45	ND	91	1.0
B4-20	ND	105	1.0
B4-25	ND	107	1.0
B4-30	ND	92	1.0
B4-35	ND	82	1.0
B4-40	ND	90	1.0
B4-45	ND	87	1.0
B4-5	ND	103	1.0
B4-10	ND	89	1.0
B4-15	ND	108	1.0
B1-50	ND	101	1.0
B1-55	ND	97	1.0
B1-60	ND	95	1.0
31-65	ND	88	1.0
31-70	ND	100	1.0

ND = Not Detected



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LABORATORY RESULTS

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Dr., Suite 300 South Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/18/98 B-1947 9506-07A		
Attn:	Ed Trosper	Date Sampled: Date Received:	02/17/98 02/17/98 02/17/98		
Project: Project Address:	AL-SAL #23 Covina, CA	Date Analyzed: Physical State:	02/17/98 Soil		

Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

Sample ID	Concentration (mg/Kg)	Surrogate <u>Recovery %</u>	Reporting Limits <u>(mg/Kg)</u>
<u>bumpre 12</u>		00	1.0
B1-75	ND	00	1.0
B1-80	ND	90	1.0
B1-85	ND	8/	1.0
B1-90	ND	101	1.0
B1-95	ND	85	1.0
B1-100	ND	102	1.0
B1-105	ND	101	1.0
B1-110	ND	85	1.0
B1-115	ND	93	1.0
P1_120	ND	73	1.0
D1-120	ND	94	1.0
D1-125	ND	92	1.0
B5-10	ND	98	1.0
B5-15	ND	94	1.0
B5-20	ND	72	1.0
B5-25	ND	77	1.0
B5-30	ND	87	1.0
35-35	ND	98	1.0
35-40	ND	103	1.0
35-45	ND	97	1.0



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QUALITY CONTROL INFORMATION

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Dr., Suite 300 South Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/18/98 B-1947 9506-07A
Attn:	Ed Trosper	Date Sampled:	02/17/98
		Date Received:	02/17/98
Project:	AL-SAL #23	Date Analyzed:	02/17/98
Project Address:	Covina, CA	Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

Sample Spiked: B4-40

Parameter	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability <u>Range (%)</u>
Gasoline	90%	97%	7.6%	65 - 125

Sample Spiked: B1-125

Parameter	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability Range (%)
Gasoline	111%	109%	1.8%	65 - 125

Sample Spiked: B1-120

Parameter	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability <u>Range (%)</u>
Gasoline	107%	110%	3.4%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference

Prelinquished by (signature)	B4-3C B4-3 O Relinquisted by signally(e)	B1-45 34-20	B1-30 B1-35	B1-20 B1-25	Court ALA Project Contact ED TROSPER Sample ID Sample Location	cillent EA Project Kame AL: SAL # 2.3 Project Address & C/ N, CARAND	JONES ENVIRONMENTAL ESTING LABORATORIES
Time Company Date O Receiv	Date Date Date	58.0 C.8.2 D.8.0	18.7	2/17/93 080	Date Time	Cilent Project # 9.506-074 Turn Around Requested: Immediate Attentit Rush 24-48 Hours Rush 72-96 Hours	P.O. BOX 5387 LERTON, CA 92635 Tel: 714 449-9635 Fax: 714 449-9685
TEL ed by Laboratory (signature)	21 Brand 22	6 31947.5 5 X 5 31947.6 5 X 7 31947.7 5 X	c B1947.3 S X	4 7.947.1 5 ×	e Laboratory Sample Matrix	Soli (S), Studge (SL), Aqueous	Chain-C
$\begin{bmatrix} D_{ate} \\ z/i7/9.9 \\ IO \\ I'7C \\ Date \\ Time \\ Time \\ \end{bmatrix}$					Number)f-Custo
Total Number of Containers onal Comments					Container/Comments	Page of 4 Lab Use Only Sample Condition as Received: Chilled Uyes Ono	Idy Record

<u>A</u>.

BY-40 BY-55 BY-55 BY-56 BY-56 BI-60 BI-60 BI-70 Or Relinquified by (signature) Company	JONES ENVURONMENTAL ENVURONMENTAL ENVERTICABORATORIES ENVERTICABORATORIES EA Froject Address 6 c/ M. CARANS 6 c/ M. CARANS Courted Froject Contact ED TROSPER Sample Location
e /17/98 09/0 o9/3 o9/3 o9/3 o9/3 o9/3 o9/3 o9/3 o9/5 o / o / o / o / O9/5 o / o / O / O / Date Date / Date Date / O / Date Date O / Date Date / O / / O / / O / / / / / / / / / / /	P.O. BOX 5387 ERTON, CA 92635 Tel: 714 449-9855 Fax: 714 449-9855 Cilient Project # 9,5-26 - 0.74 Turn Around Requested: Immediate Attention Rush 72-96 Hours Normal Normal Date Time
анииние 252472-12 252472-12 252472-12 252472-12 252472-12 252472-12 252472-12 252472-12 252472-12 252472-12 252 252472-12 252 252472-12 252 252 252 252 252 252 252 2	Sample Matrix: Soit (S). Sludge (SL). Aqueous (A)
1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analysis Requested
Tetal Number of Containers al Comments	Ady Recourd JEL Project * JEL Project * RIGHT Page of 4 Date only Sample Condition as Received: Chilled Dyes Erro Sealed Dyes Ino

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Charles Charle	MENTAL FULLE
2/17/62) Date Date 2/17/04 Date Date Date Date 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P.O. BOX 5387 RTON, CA 92635 Tel: 714 449-9937 Tel: 714 449-9937 Tel: 714 449-9885 Cilent Project # 2 / /7 / 5 Cilent Project # 9 5 C (Turm Around Requ Immediate Rush 24-4 Rush 72-5 Normal Date Date
1045 13194 1052 1394 1105 1399 1107 13194 1107 13194 1107 13194 1107 13194 1107 13194 1107 13194 1107 13194 11255 1319 1255 1319 1255 1319 1255 1319 1255 1319 1255 1319 1255 1319 1255 1319 1255 1319	P C 7 R ested: a Attention 18 Hours 96 Hours 18 Labo
17-21 S X 17-21 S X 17-22	Sample Matrix: Soil (S) o
	Macif Construint of the state o
Date 2/17/62 Time Date	Analysis Requ
Additional Commer	Number of Containers
otal Number of Con	Page Sarr as F Container/Com
lainers	COTU Project # 9997 9997 Bonly Bondition Received: Red I yes Broo ed I yes Broo

1		Relinquished by (signature)	Company Cat	O Relinquisted (b) (signature)	D2-70	15-35	25-30	05-25	15-20	75-15	135-10	85-5	81-125	Sample ID Sample Location	Project Contact	Count	Project Address 6.01 Al, GRAND	Project Name AL-SAL #23	FLA Isola	ENVIRUNALEN LALA	JONES FULLERTON C	
Company	Date O Received by	1700 Company	- 2/12/78 Preceived by	Date \$ 1536	1532	1530	1527	1.523	1520	1513	1513	1510	2/17/20 1302	Date Time	DANOBILE Lab	- Rush 72-96 Hours	Rush 24-48 Hours	Turn Around Requested:	Z/17/98 Client Project #	449-9685	0X 538/ X4 92635	
	y Labriatory (signature)	TF/	Construct Construction	6 BAY9.40 5 X	Nah 38 2 X	21947-38 S ×	B19477.37 5 X	BIG47-JE SX	R1947.35 5 X	BIPHT. 34 S X	BI947.33 5 X	B1947-32 5 X	B1947-31 5 X	Sample Sa N	Main Sel 200	ix soil why so	(S), SIL		Aqueol	(A)	Chain-ui	Of
 Time	Date	- 2/17/92 1	Date / /											1111	1111	1/1/	1111	1///	1111	Analysis Requeste	-000-	Cilet
	connonal Comments	Total Number of Containers					/							Container/voinineins	nber of	Sealed Dyes Date	Chilled Uyes Emo	Lab Use Only Sample Condition	H to A abed	C.H618 / / 1 0	/ / JEL Project *	ndv Kecuru

E	Jones Environm Testing Laboratories JONES ENVIRO	P.C. P.C. P.C. (71- NMENTAL REPORT	DC. 0. Box 5387 • Fullerton, CA 92838 4) 449-9937 • FAX (714) 449-9685
Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Drive, Suite 300 S. Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/19/98 B-1948 9506-07A
Attn:	Ed Trosper	Date Sampled: Date Received:	02/18/98 02/18/98

Date Analyzed:

Physical State:

Attn:

Project: Project Address:

ANALYSES REQUESTED

EPA 8020 - Volatile Aromatic Hydrocarbons 1.

AL-SAL #23

Covina, CA

Mod 8015 Gasoline - Volatile Hydrocarbons 2.

Approval:

02/18/98

Soil

Steve Jones, Ph.D. Laboratory Manager
Testing Laboratories

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LABORATORY RESULTS

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Drive, Suite 300 S. Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/19/98 B-1948 9506-07A
Attn:	Ed Trosper	Date Sampled:	02/18/98
		Date Received:	02/18/98
Project:	AL-SAL #23	Date Analyzed:	02/18/98
Project Address:	Covina, CA	Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

	ID MTBE Benzene Toluene Ethylbenzene Xyla 5.5 2.7 2.4 2.3 3 ND ND ND ND ND 0.13 0.12 0.029 0.12 0.0 0.38 ND ND ND ND 0.11 ND ND ND N 0.007 ND ND ND N 0.009 ND ND ND N 0.008 ND ND ND ND ND ND ND		Reporting	Sumarata			
Sample ID	MTBE	Benzene	Toluene	Ethylbenzene	<u>Xylenes</u>	(mg/Kg)	<u>Recovery %</u>
B2-5	5.5	2.7	2.4	2.3	3.9	0.076	92
B3-5	ND	ND	ND	ND	ND	0.005	95
B3-10	ND	ND	ND	ND	ND	0.005	109
B3-15	ND	ND	ND	ND	ND	0.005	107
B3-20	ND	ND	ND	ND	ND	0.005	94
B2A-5	0.13	0.12	0.029	0.12	0.053	0.005	
B2A-10	0.38	ND	ND	0.011	0.006	0.005	116
B2A-15	0.20	ND	ND	ND	ND	0.005	112
B2A-20	0.11	ND	ND	ND	ND	0.005	96
B2A-25	0.007	ND	ND	ND	ND	0.005	94
B2A-30	0.020	ND	ND	ND	ND	0.005	118
B2A-35	0.009	ND	ND	ND	ND	0.005	107
32A-40	0.008	ND	ND	ND	ND	0.005	05
32A-45	ND	ND	ND	ND	ND	0.005	95
32A-50	ND	ND	ND	ND	ND	0.005	93

ND = Not Detected



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QUALITY CONTROL INFORMATION

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Drive, Suite 300 S. Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/19/98 B-1948 9506-07A
Attn:	Ed Trosper	Date Sampled:	02/18/98
		Date Received:	02/18/98
Project:	AL-SAL #23	Date Analyzed:	02/18/98
Project Address:	Covina, CA	Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

Sample Spiked: B3-5

Parameter	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability <u>Range (%)</u>
Toluene o-Xylene	102% 103%	100% 100%	2.0% 2.2%	65 - 125 65 - 125
Sample Spiked: B3-10				
Parameter	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability <u>Range (%)</u>
Toluene 5-Xylene	96% 99%	99% 07%	2.6%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike

- MSD = Matrix Spike Duplicate
- RPD = Relative Percent Difference



Testing Laboratories JONES ENVIRONMENTAL

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

LABORATORY RESULTS

Client: Client Address:	Environmental Applications, Inc. 2130 Huntington Drive, Suite 300 S. Pasadena, CA 91030	Report Date: JEL Ref. No.: Client Ref. No.:	02/19/98 B-1948 9506-07A
Attn:	Ed Trosper	Date Sampled:	02/18/98
Project: Project Address:	AL-SAL #23 Covina, CA	Date Received: Date Analyzed: Physical State:	02/18/98 02/18/98 Soil

Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

Sample ID	Concentration (mg/Kg)	Surrogate <u>Recovery %</u>	Reporting Limits (mg/Kg)
B2-5 B3-5 B3-10 B3-15 B3-20 B2A-5 B2A-10 B2A-15 B2A-20 B2A-25 B2A-20 B2A-25 B2A-30 B2A-35 B2A-40 B2A-45 B2A-50	100 ND ND ND ND 3.7 1.1 ND ND ND ND ND ND ND ND ND ND ND ND	115 94 111 109 93 113 110 101 93 118 97 108 98	$\begin{array}{c} 75\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0$
			1.0

ND = Not Detected



Testing Laboratories JONES ENVIRONMENTAL P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

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QUALITY CONTROL INFORMATION

Client:	Environmental Applications, Inc.	Report Date:	02/19/98 B-1948
Cheffe Address.	S. Pasadena, CA 91030	Client Ref. No.:	9506-07A
Attn:	Ed Trosper	Date Sampled:	02/18/98
		Date Received:	02/18/98
Project:	AL-SAL #23	Date Analyzed:	02/18/98
Project Address:	Covina, CA	Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

Sample Spiked: B3-10

<u>Parameter</u>	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability <u>Range (%)</u>
Gasoline	107%	109%	1.7%	65 - 125

Sample Spiked: B3-5

Parameter	MS <u>Recovery (%)</u>	MSD <u>Recovery (%)</u>	<u>RPD</u>	Acceptability <u>Range (%)</u>
Gasoline	112%	113%	0.5%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference

BLA-25 Prelinquiched by (signature) Prelinquished by (signature)	33-20 32-20 B2A-5 R2A-10 B2A-15 B2A-20	Sample ID Sample Location	JONES JONES ENVIRONMENTAL ENVIRONMENTAL INITER EA Project Kame AL-SAL # 23 AL-SAL # 23 AL-SAL # 23 COULAR Project Address COULAR Project Contact
Date 2 //4/97 @R 1 Time Date Date Date Date Com		Date 2/18/9.8	P.O. BOX 5387 Tel: 714 449-9937 Fax: 714 449-9685 Decto Client Project 8 Client Project 1 Rush 24-40 Rush 24-40 Rush 72-90
1330 Brend Store	1117 BAND-4 1117 BAND-1 1310 BAND-6 1318 BAND-7 1318 BAND-7 1327 BAND-8	Time Sample Sample Vumber / 01 8/948-2 106 8/948-2	B Hours
	S S S S S S S S S S S S S S S S S S S	S S Sample	e Matrix: Soit (S), Studge (SL), Aqueous (A)
Date 2/18/99 Time 1620 Date			f-Cus'
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Numb	ber of Containers
mber of Containers		intainer/Comments	ACCOTO

Reinquisted by (sprature)		32A-45 32A-45 72A-50	B28-35	Sample ID Sample Location	RL-SAL#23 Project Address GOUNA COUNAA Project Contact ED TROSPER	Client EA Project Name	JONES ENVIRONMENTAL ESTING LABORATORIES
Date 2/13/937 Time Date Date Date Date Date Date Date Dat	The second secon	2145 03 h1 4161 01h1	84012 July 1405 110418	Date Time Sam	YSOC - 0 / 77 Turn Around Requested: Immediate Attention Rush 24-48 Hours Rush 72-96 Hours Normal Mobile Lab	Cilent Project #	P.O. BOX 5387 ULLERTON, CA 92635 Tel: 714 449-9685 Fax: 714 449-9685
20 S () 0ate 20 S () 0ate 2//aP/ CEL [Ime 2//aP/ Coate Coate C	The state of the s	X S X S X S X S X S X S X S X S X S X S	212 S X	rationy je sol more set to sol with the sol	Matrix: Soii (S), Sludge (SL),	Aqueous (A)	Chain-Of-C
Additional Comments				Container/Comments	Tot Containers Tot Containers Tot Containers Chilled □ yes □ no Sealed □ yes □ no	In the steel was a set of the set	ustody Record

March 02, 1998

JOANNA JOHNSON JONES ENVIRONMENTAL LABORATORIES P.O. BOX 5387 FULLERTON, CA 92635

Subject: Laboratory Submission No.: 98-02044 Samples Received: 02/20/98

Dear Ms. Johnson:

The samples(s) listed on the Chain of Custody report were received by BC Laboratories, Inc. on 02/20/98.

Enclosed please find the analytical data for the testing requested. If you have any questions regarding this report please contact me at (805)327-4911, ext. 204.

Any unused sample will be stored on our premises for a minimum of 30 days (excluding bacteriologicals) at which time they will be disposed unless otherwise requested at the time of sample receipt. A disposal fee of \$5 per sample may apply for solid sample matrices.

Please refer to submission number 98-02044 when calling for assistance.

Sincerely,

Jucen

Tina Green Client Services BC Laboratories, Inc.

this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interp 4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

i. CHAIN OF CUSTODY 4100 Atlas Court • Bakersfie A 93308 (805) 327-4911 • FAX (805, 327-1918 ABORATOR S, INC. Report To: Name: State Address: Lab# 1 Phone: ٤ Comment 0 CHECKED BY NUMBERING le Description 0 2992 JUN SUL 283 Name City Address P.O.# Attention: Miles Time: Sother: Sampler Name. Project: Project #: 14/14 Date & Time Sampled Billing Into 0 3 ÷ State SL) Sludge Matrix (S) Soil (SL) Slu (W) Water (Other) -MTBE ON le 0 Rélinquistr Relinquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature) Analysis Requested 0 Signature STRIBUTION gnature Received by: (Signature) leceived by: (Signature) Do NIN on and Samples rec. cold (y/n) Custody Seals (y/n) しっしかりる Stand Results Needed by: Date & Time Date: Date Date: Date: Date: à aro . Number and Time: Time: Time: Time: lime: 200 2 Container Type

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		Volatile Organi (EPA Method	c Analysis 1 8260)		Page	1
JONES ENVIRONMENTAL P.O. BOX 5387 FULLERTON, CA 92635 Attn: JOANNA JOHNSO	LABORATORIES	S 9-9937	Date Reported: Date Received: Laboratory No.:	02/27/98 02/20/98 98-02044-1		
Sample Description:	AL-SAL #23	(B1947), B2-5,	02/18/98, ED T.			
Sample ID: Sample Matrix:	B2-5 Soil		Date Collected: Date Extracted: Date Analyzed:	02/18/98 02/24/98 02/24/98		
Constituents	_	Analysis Results	Reporting 	Practical Quantitati Limit	on	
Methyl-t-butylether		1.2	mg/kg	0.05		
		Quality Cont	rol Data			
Surroqates		Recovery	Control Limits	_		
1,2-Dichloroethane-d4		86.	70-121			

70-121

81-117

74-121

A CARGO

50

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

86.

93.

94.

California D.O.H.S. Cert. #1186

tuart G. Buttram epartment Supervisor

Toluene-d8

4-Bromofluorobenzene

Volatile Organic Analysis (EPA Method 8260)

70-121

81-117

74-121

JONES ENVIRONMENTAL LABORATORIES Date Reported: 02/27/98 Date Received: 02/20/98 Laboratory No.: 98-02044-2 P.O. BOX 5387 FULLERTON, CA 92635 Attn: JOANNA JOHNSON 714-449-9937 Sample Description: AL-SAL #23 (B1947), B1-70, 02/17/98, ED T. Sample ID: B1-70 Date Collected: 02/17/98 Sample Matrix: Soil Date Extracted: 02/24/98 Date Analyzed: 02/24/98 Practical Analysis Reporting Quantitation Constituents Results Units Limit Methyl-t-butylether 0.017 mg/kg 0.005 Quality Control Data Surrogates % Recovery Control Limits 1,2-Dichloroethane-d4 78.

99.

85.

California D.O.H.S. Cert. #1186

Stuart G. Buttram Department Supervisor

Toluene-d8

4-Bromofluorobenzene

Page

APPENDIX C

DISPOSAL MANIFESTS

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23422 Trab El Toro, C. B.E.S.I.410	A 92630 6627.02	200		EAXN.	Moothart	Customer Acet	unt Number v	with TTS
23422 Trab El Toro, C B.E.S.I.#1 Description ol Soli	A 92630 6627.02 Molature Content	Contaminated by	Apprex	Div: De	moothart secreption of Delivery	Customer Acer Gross Weight	Tare Weight	Net Weight
23422 Trab El Toro, C B.E.S.I.#1 Description ol Solt / Sand G Organic G Elay G Organic G Elay G Organic G	A 92630 6627.02 Moleture Content	Contaminated by	Approx	Caxe Qiy: De	moothart	Customer Acco	Tare Weight	Net Weight
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25422 Trab El Toro, C B.E.S.I.81 Description of Soil Eand O Organis O Clay O Organis O	A 92630 6627.02 Moleture Content 0-10% 0 10-20% 0 0-10% 0 10-20% 0 10-20% 0 10-20% 0 10-20% 0 10-20% 0	Contaminated by One O Ditasel U Other U Disset O Other Q	Approx	Catry De	Moothart	Customer Acco Gross Weight	Tare Weight	Net Weight 62.80 3.14
25422 Trab El Toro, C B.E.S.I.81 Description of Soli Sand G Organis G Elay G Organis G Sand G Organis G Elay	A 92630 6627.02 Moleture Content 0 - 10% 0 10 - 20% 0 70% - 00% 0 10 - 20% 0	Contaminated by One O Diesel O Other O Diesel O Other O	Approx	Carry De	n is taken entiroly for	Customer Acco Gross Weight 11000	Tare Weight	Net Weight
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TPS TECHNOLOGIES INC.

ADE 026177

12328 Hibiscus Ave. Adelanto, CA 92301

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest # A07 10205	001	007007				
Generator Site Informa AL SAL #23 - B SAN BERNARDINO RD. @ G	tion RAND AVE	WEIGHMASTE TPS TECHNO 12328 HIBI	R Weighed LUGIES 18 SCUS AVE.	At: IC.		
COVINA, CA 91724	USA	Adelanto,	CA 92301	U	5A	
BY DEPUTY: DHENTON IN> 02	:14:50pm	Gross Wt:	LBS 11,000	TONS 05.50	Manual	Wt
DEENTON OUT> 02	:15:05pm	Tare Wt:	4,720	02.36	Manual	Wt
Truck Number		NET WT:	6,280	03.14		

03/06/98

Trailer Number Commodity: Petroleum Contaminated Soil

C

Driver On Gross and Tare Transporter: JOHN K

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Pete Wilson Governor

Los Angeles Regional Water Quality Control Board

101 Centre Plaza Drive Monterey Park, CA 91754-2156 (213) 266-7500 FAX (213) 266-7600 December 18, 1997

Mr. Montri Phuvadakorn Al Sal Oil Company 3410 East Foothill Boulevard Pasadena, CA 91107

UNDERGROUND TANKS PROGRAM--SUBSURFACE INVESTIGATIONS AL SAL OIL # 23 601 NORTH GRAND AVENUE, COVINA (I-09791)

Dear Mr. Phuvadakorn,

We have reviewed your *Site Assessment Workplan*, dated December 5, 1997, prepared by your consultant, Environmental Applications, Inc., and other pertinent information contained in our file for the subject site. Your workplan contains a proposal to drill eight soil borings to a depth of 45 feet below ground surface. We have no objections to implementation of the workplan provided the following conditions are met:

- 1. All necessary permits must be obtained from the appropriate agencies prior to the start of work.
- 2. Soil samples must be collected at five foot intervals in all the borings for geological logging and analyzed for total petroleum hydrocarbons [TPH(g)] using EPA method 8015, benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE) using EPA method 8020. If MTBE is detected it must be quantified using EPA method 8260. All analytical data must be reported by a California certified laboratory. All reports must conform to the "Guidelines For Report Submittals" dated June 1993, published by the Los Angeles County Department of Public Works.
- 3. All work must be performed under the direction of registered geologists or registered civil engineers. A statement is required in the report that the registered professionals in responsible charge actually supervised or personally conducted all the work associated with the project.
- 4. If the vertical extent of contamination is not defined, additional investigation may be needed to fully define the extent of contamination. Four consecutive non detect soil samples indicated definition in the vertical direction.
- 5. You must submit a health and safety plan at least two weeks in advance of the implementation of the workplan.

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Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.

Mr. Montri Phuvadakorn Page Two December 18, 1997

You are required to submit a technical report detailing the results of this phase of investigation by March 16, 1998. The report must include, site map for the entire site with all the features on site and off-site drawn to scale, a map showing the surrounding properties, soil boring logs, isoconcentration maps for TPH, benzene, and MTBE contamination in the soil. Based upon the results of this phase of investigation, your report must also contain a workplan for additional work if needed, to complete any onsite or offsite assessments.

Please notify at least seven working days prior to the start of work so we can schedule a member of our staff to be present. If you have any questions concerning this letter, please call Mr. Harry Patel at (213) 266-7575.

Sincerely,

CC:

uppe dal

HUBERT H. KANG Senior Water Resource Control Engineer

Ms. Diana Romero, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Ms. Carol Williams, Main San Gabriel Basin Watermaster
Mr. Carl Sjoberg, Los Angeles County Department of Public Works, Environmental Programs Division, Underground Tanks
Mr. Al Bragg, County Department of Health Services, Water Well Permits
Mr. Edward J. Trosper, Environmental Applications, Inc.

ENVIRONMENTAL APPLICATIONS, INC.

2130 Huntington Drive Suite 365 Scuth Pasadena, California 91635

(818) 799-6686 FAX (818) 799-5135

Dece	mber 15, 1997			Project 9506-07A	
Mr. 1 Los / 101 (Mont	Harry Patel Angeles Regional Water Quality Co Centre Plaza Drive erey Park, CA 91754-2156	ontrol Board ()	RWQCB)		2
Re:	Revised Site Assessment Work Al Sal Oil Company #23 601 N. Grand Avenue Covina, California RWQCB File Number I-09791	plan UST UNIT RECEV CASE D/373	I-09791 1262/97	I I I I I I I I I I I I I I I I I I I	-NEIVIER
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Dear Mr. Patel:

At the request of our client, Al Sal Oil Company, Inc. (Al Sal), and in response to your letters dated May 14, 1997 and November 26, 1997, and telephone conversation of December 10, 1997, Environmental Applications, Inc. (EA) is pleased to submit this revised workplan to conduct a site assessment at the referenced property. The purpose of this onsite work is to assess the horizontal and vertical extent of hydrocarbon impacts in the soils beneath the site. The Scope of Work is presented below. The health and safety plan is attached.

This proposal is based on seven soil borings, five to a depth of 45 feet below grade (bg) and two to 20 feet bg; an optional eighth boring may be drilled to 45 feet bg. However, the depth and actual number of borings drilled at the site will be based on the results of onsite soil analysis.

BACKGROUND

Al Sal #23 is located in a commercial/residential area of Covina, on the northwest corner of North Grand Avenue and San Bernardino Road. Three gasoline underground storage tanks (USTs) and one diesel UST were removed from the site on June 28, 1995. After removal, soil samples were collected by EA from native soils beneath the USTs at approximately 19 feet below grade (bg). Soil samples from beneath the gasoline dispensers (D1 through D12), the diesel dispenser (D13), and from beneath the product delivery lines (P1 through P4) were collected from approximately 2 feet beneath the dispensers and 2 feet beneath the product delivery lines.

Based on the laboratory analytical results of the soil samples collected, soils beneath the west ends of the USTs and beneath all 13 dispensers have been impacted by petroleum hydrocarbons. Soil sample results are tabulated in Table 1.

Environmental Applications, Inc.

950607A/WPR1.DOC December 15, 1997

roundwater was not encountered in the UST excavation. According to the Los Angeles County Jepartment of Public Works (LACDPW) groundwater map for Fall 1995, depth to groundwater is on the order of 175 feet bg in the vicinity of the site. Direction of groundwater flow in the area of the site is generally southwest according to the LACDPW Hydrogeology Section.

SCOPE OF WORK

Task 1 - Pre-field Activities: EA will conduct the following pre-field activities:

- · Underground Service Alert notification
- RWQCB notification

Task 2 - Soil Borings: Seven soil borings, five to a depth of 45 feet bg (B-1 and B-4 through B-7) and two to 20 feet bg (B-2 and B-3), will be attempted. Refer to the attached figure for proposed soil boring locations.

One soil boring (B-1) is proposed to be drilled through the portion of the UST excavation near the samples with the highest reported gasoline concentration (2A at 3,630 mg/kg) and the highest diesel concentration (1A at 5,620 mg/kg). This boring is intended to estimate the vertical extent of hydrocarbon impact on the soil. A conductor casing was installed to gain access to this location when the new, double walled USTs were emplaced.

Two soil borings (B-2 and B-3) are proposed to be drilled beneath the canopy near the locations with the highest reported TPH-gasoline concentration. These borings are intended to estimate the vertical extent of hydrocarbon impact on the soil. Well vaults were installed to gain access to these locations when the new, stamped concrete surface of the station was emplaced.

Four borings are proposed to be drilled (B-4 through B-7) near the perimeter of the property. Combined, these four borings are intended to estimate the lateral extent of hydrocarbon impact. The borings will be drilled in planters at the west, north, and east edges of the property. An optional eighth boring (B-8) may be drilled to 45 feet bg at the south edge of the property. depending on whether B-2 is impacted.

Borings will be advanced to 15 feet below soils that have been impacted to assess vertical depth. Soils impacted by petroleum hydrocarbons are defined as soils with concentrations of total petroleum hydrocarbons as gasoline (TPH-gasoline) at or above 1 mg/kg; total petroleum hydrocarbons as diesel (TPH-diesel) at or above 10 mg/kg; benzene, toluene, or ethylbenzene at or above 0.005 mg/kg; or total xylenes at or above 0.015 mg/kg; or methyl tertiary butyl ether (MTBE) at or above 0.01 mg/kg. An onsite mobile laboratory will be used to analyze soil samples. If hydrocarbon impacted soils are encountered at 30 feet bg in B-1, or at 10 feet in B-2 or B-3, the soil boring will be required to be deepened, as will soil borings B-4 through B-7.

A California registered geologist will supervise all field activities. Soil borings will be drilled using a drill rig equipped with 6-inch diameter hollow stem augers. Soil borings B-2 and B-3 will be drilled using a limited access rig. Soil samples will be collected at 5-foot depth intervals

Environmental Applications, Inc.

950607A/WPR1.DOC December 15, 1997 (except in B-1 where sampling will begin at 20 feet bg) using a California split-spoon sampler with 2-inch diameter brass sample sleeves; sample sleeves will be covered by Teflon tape or equivalent and sealed with polyethylene caps. The soil samples will be logged by a project geologist and screened for volatile organics using a photo-ionization detector (PID) calibrated to 100 ppmv hexane.

Soil samples at 5-foot depth intervals from all seven borings will be submitted to the onsite mobile laboratory for analysis for TPH-gasoline using U.S. EPA Method 8015 modified and for henzene, toluene, ethylbenzene, and total xylenes (BTEX) and MTBE using U.S. EPA Method 8020. Additionally, soil samples from B-1, B-4, B-5, and B-6 will be analyzed for TPH-diesel using U.S. EPA Method 8015 modified. Chain of custody procedures will be maintained for all soil samples.

Soils generated during drilling will be placed in Department of Transportation (DOT)-approved 53-gallon drums provided by Al Sal and stored at a convenient place on-site to await disposal. Soil borings will be backfilled using bentonite chips or a bentonite-grout. Following drilling, the soil borings will be approximately located by the onsite geologist onto a plot plan of the site.

Task 3 - Summary Report: A summary report of the field investigation will be prepared. Included in the report will be sampling methods, boring logs, geological cross-sections, and site plan showing of boring locations.

NCHEDULE

EA anticipates that Tasks 1 and 2 will be completed within four weeks of receipt of approval of this workplan by the RWQCB. The field investigation report will be submitted to the RWQCB within four weeks of receiving final laboratory data.

EA looks forward to performing this work on behalf of Al Sal. Please contact us if you require any additional information.

Sincerely,

ENVIRONMENTAL APPLICATIONS, INC.

J. GADOPEN award

Edward J. Trosper, R.G.4586, C.E.G.1526 Senior Project Manager

Attachments:

Figure 1 - Proposed Borings Table 1 - Soil Sample Results Health and Safety Plan





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Environmental Applications, Inc.

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Los Angeles Regional Water Quality Control Joard

01 Centre Plaza Drive fonterey Park, CA 1754-2156 13) 266-7500 AX (213) 266-7600 May 14, 1997

Mr. Montri Phyvadakofn Al Sal Oil Company 3410 East Foothill Boulevard

Pasadena, CA 91107

UNDERGROUND TANKS PROGRAM--SUBSURFACE INVESTIGATIONS AL SAL OIL # 23 601 NORTH GRAND AVENUE, COVINA (I-09791)

We have reviewed your "Tank Removal Report," dated August 18, 1995, prepared by your consultant, Environmental Applications, Inc., and other pertinent information contained in our file for the subject site. Based on our review, the subject site is contaminated with petroleum hydrocarbons. The lateral and vertical extent of soil contamination has not been defined. Therefore you are directed to submit a workplan to define the vertical and lateral extent of soil contamination at the subject site. The workplan is due to this office by July 2, 1997.

Pete Wilson Governor

If you have any questions concerning this letter, please call Mr. Harry Patel at (213) 266-7575.

GREGG K. KWEY, Unit Chief Underground Storage Tanks/L.A. Co.

 Mr. Dave Deaner, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
 Ms. Carol Williams, Main San Gabriel Basin, Watermaster
 Mr. Carl Sjoberg, Los Angeles County Department of Public Works, Environmental Programs Division, Underground Tanks
 Mr. Edward J. Trosper, Environmental Applications, Inc.

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Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.

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ENVIRONMENTAL APPLICATIONS, INC.

2130 Huntington Dr Suite 300 South Pasadena, California 91030

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WASTE MANAGEMENT DIVISION

(818) 799-4486 FAX (818) 799-5135

August 18, 1995

Project 9506-07

Los Angeles County Department of Public Works (LACDPW) Waste Management Division 900 S. Fremont Avenue Alhambra, California 91803-1331

Re: TANK REMOVAL REPORT Al Sal Oil Company #23

> 601 N. Grand Avenue Covina, California LACDPW Hazardous Materials Underground Storage Permit Number #136273 LACDPW Tank Closure File Number #9897-9741

Dear Sir or Madam:

On behalf of Charles E. Thomas Company (CET) for their client, Al Sal Oil Company, Inc. (At-Sal), Environmental Applications, Inc. (EA) is pleased to submit this report for the referenced tank removal. EA observed the removal of four underground storage tanks (USTs) from the Al Sal facility located at 601 N. Grand Avenue in the City of Covina, Los Angeles County, California (refer to Figure 1). As specified under LACDPW Permit #136273 (refer to Appendix A), EA was to collect three samples from beneath each UST, one sample from beneath each dispenser, and one sample from beneath each 20 foot run of product piping, starting from the dispenser.

Site Description

Al Sal #23 is located in a commercial/residential area of Covina, on the northwest corner of North Grand Avenue and East San Bernardino Road. East San Bernardino Road becomes East Wingate Street on the east side of North Grand Avenue. The property is bordered to the west by a restaurant and to the north by additional parking for the restaurant. Southern Pacific railroad tracks lie beyond the parking lot to the north. To the south, across East San Bernardino Road, is a two-story office building. To the east, across North Grand Avenue, is a florist and a vacant lot. Diagonally across the intersection of Grand and San Bernardino are residential properties.

On the property, a single-story cashier's kiosk occupies the central portion of the site. Two dispenser islands, with six gasoline dispensers each, were located north and south of the kiosk. A canopy covers the kiosk and the dispenser islands. A third dispenser island, with one diesel

Environmental Applications, Inc.

1950607\GRAND.DOC August 18, 1995 Ispenser, was located southwest of the kiosk, near the western property line. The surface of the lot is concrete paved, with areas of landscaping. In the northwest quadrant of the property, four 20,000-gallon single-walled steel USTs were located in a single excavation. The northernmost UST contained diesel; the southern three USTs contained gasoline. Refer to Figure 2 for structure and UST locations. Refer to the table below for the tank number assigned by the marine chemist, gallonage, and contents. The Underwriter's Laboratory plaque from the diesel UST bore number H-785086; the gasoline USTs bore plaque numbers H-838368, H-838370, and H-838371 (plaques had been removed by CET prior to EA arriving onsite). The USTs were reported to have been installed in December of 1980.

LACDPW UST NUMBER	MARINE CHEMIST NUMBER	VOLUME IN GALLONS	REPORTED UST CONTENTS
1	7330-4	20,000	diesel
2	7330-3	20,000	gasoline
3	7330-2	20,000	gasoline
4	7330-1	20,000	gasoline

UST Removal

The UST removal contractor, CET, notified the Covina Fire Department (CFD) of impending UST removal. Mike Thomas of the CFD was onsite on June 28, 1995, to witness the removal of the USTs.

Prior to removal, the concrete pavement was sawcut and backfill removed to uncover the UST tops. Pavement and backfill from the UST pit were stockpiled onsite. In accordance with South Coast Air Quality Management District Rule 1166 requirements, CET monitored the soil excavation. According to CET, measurements in excess of Rule 1166 requirements were recorded, and the soil stockpiles covered with plastic to reduce emissions. On June 27, 1995, the USTs were triple rinsed and the water evacuated into a pump truck.

On June 28, 1995, a marine chemist tested the USTs, and reported 0 percent of the lower explosive limit of gasoline and 20.8 percent oxygen concentration. The USTs were certified as safe for hot work, but not safe for workers to enter the USTs. During removal, the USTs were inspected for signs of cracking, pitting, extensive corrosion, or undue wear; none of these were observed. The USTs were removed from the excavation and deposited on flatbed trucks for transport offsite.

On June 28, 1995, three soil samples were collected by EA from native soils approximately 3 feet beneath the invert of each UST (one at each end and one in the middle) at approximately 19 feet below grade (bg). Soils from the appropriate depth were brought up by an excavator operator in the bucket. Each soil sample was collected by forcing a clean, laboratory-provided, 8-ounce glass jar into the soils in the bucket by hand until the jar was full. Ms. Barbara Durrell of the LACDPW observed the collection of samples 3A and 3B. Refer to Figure 2 for sample locations.

Soil samples from beneath the gasoline dispensers (D1 through D12) and from beneath the gasoline product delivery lines (P1, P2, P3, and P4) were collected on June 28, 1995. Soil samples were collected from approximately 2 feet beneath the dispensers and piping using a hand auger. Soils from the appropriate depth were brought up in the auger bucket and the soil sample collected by emptying the bucket into a clean, laboratory-provided, 8-ounce glass jar. Refer to Figure 2 for sample locations.

A backhoe was used to excavate a pit approximately 2 feet beneath the diesel dispenser. Soil sample D13 was collected by forcing a clean, laboratory-provided, 8-ounce glass jar into the soils in the bottom of the excavation by hand until the jar was full. Refer to Figure 2 for sample locations.

The samples were categorized using the Unified Soil Classification System. Soil samples D1 through D4, D6, D8, and D12 and D13 from beneath the dispensers were categorized as sandy silts (ML). Soil samples D5 and D9 through D11 from beneath the dispensers and P3 and P4 from beneath the delivery piping were categorized as fine to medium grained, silty sand with some gravel (SM). Soil samples D7 from beneath the dispensers and P1 and P2 from beneath the delivery piping were categorized as fine to medium grained sands with some gravel (SP). Soil samples from beneath the USTs were categorized as fine to coarse grained sand with gravel and cobbles up to 1 foot in diameter. Refer to Table 1 for classification of each sample.

Each jar was sealed with a Teflon-lined lid and labeled as to sample location and depth. The jars were individually sealed in Ziplock plastic bags and placed in an ice-filled cooler. The soil samples were delivered to Southland Technical Services, Inc. (STS), a California Department of Health Services certified laboratory located in Montebello, California, the same day samples were collected. Chain-of-custody procedures were maintained at all times. A Certified Engineering Geologist personally collected the soil samples.

UST Destruction and Rinseate Disposal

The USTs were transported to L.A. Industrial Service, Inc., in Los Angeles, California, for destruction. The UST disposal forms are included in Appendix B. Seven hundred and fifty gallons of liquid were transported as non-RCRA hazardous waste liquid to DeMenno/Kerdoon in Compton, California, for disposal. The manifest is included in Appendix B.

Laboratory Analyses

The laboratory was instructed to analyze soil samples 1A, 1B, 1C, and D13 for total petroleum hydrocarbons as diesel (TPH-diesel) using United States Environmental Protection Agency (U.S. EPA) Method 8015 modified. The laboratory was instructed to analyzed the other 25 soil samples for TPH as gasoline (TPH-gasoline) using U.S. EPA Method 8015 modified and for organic lead using the California State Department of Health Services method. All 29 soil samples were to be analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) using U.S. EPA Method 8020.

The laboratory detection limits specified for TPH-gasoline and TPH-diesel were 10 milligrams per kilogram (mg/kg); for benzene, toluene, and ethylbenzene were 0.005 mg/kg; and for total xylenes was 0.015 mg/kg; and for organic lead 0.5 mg/kg. Analytical results and the chain-of-custody form are attached as Appendix C.

Analytic Results

In the soil samples collected from beneath the USTs, TPH-gasoline was reported at a concentration of 3,630 mg/kg in 2A; 1,770 mg/kg in 3A; 226 mg/kg in 3C; and 1,650 mg/kg in 4A. TPH-gasoline was not reported above 10 mg/kg in 2B, 2C, 3B, 4B, and 4C. TPH-diesel was reported at concentrations of 5,620 and 22 mg/kg, respectively, in 1A and 1C; TPH-diesel was not reported above 10 mg/kg in 1B. At least one of the BTEX analytes were reported above laboratory detection limits in soil samples 1A, 2A, 3A, 3C, and 4A; BTEX analytes were not reported above laboratory detection limits in soil samples 1B, 1C, 2B, 2C, 3B, 4B, and 4C. Soil sample results are tabulated in Table 1.

Beneath the gasoline dispensers, TPH-gasoline was reported in between 11 mg/kg (D6) and 6,000 mg/kg (D10). At least one of the BTEX analytes were reported above laboratory detection limits in the twelve soil samples. Soil sample results are tabulated in Table 1.

In the soil sample collected from beneath the diesel dispenser, TPH-diesel was reported at a concentration of 5,100 mg/kg in soil sample D13. Benzene was not reported above a laboratory detection limit of 0.2 mg/kg (the soil sample had to be diluted, increasing the detection limit). Toluene, ethylbenzene, and total xylenes were reported at concentrations of 0.24, 0.92, and 4.9 mg/kg, respectively. Soil sample results are tabulated in Table 1.

In the soil samples collected from beneath the gasoline delivery lines, TPH-gasoline was not reported above the laboratory detection limit of 10 mg/kg in soil samples P1 and P2. Soil sample P3 was reported to contain 10,000 mg/kg TPH-gasoline and P4 was reported to contain 1,500 mg/kg. BTEX analytes were not reported above laboratory detection limits in soil sample P1. At least one of the BTEX analytes were reported above laboratory detection limits in soil samples P2, P3, and P4. Soil sample results are tabulated in Table 1.

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\950607\GRAND.DOC August 18, 1995 None of the 25 soil samples analyzed were reported to contain organic lead above laboratory detection limit of 0.5 mg/kg. Soil sample results are tabulated in Table 1.

Groundwater Information

Groundwater was not encountered in the UST excavation. The nearest LACDPW wells are 3121A and 4349B. Well 3121A is located near Grand Avenue and Adams Park Drive, approximately 1,200 feet south of the site. Depth to groundwater was reported as 297.6 feet bg on April 11, 1994. Surface elevation of the well is 587.0 feet above mean sea level (msl). The groundwater elevation is approximately 290.3 feet above msl. Well 4349B is located near Bonnie Cove Avenue and East Arrow Highway, approximately 3,900 feet northeast of the site. Depth to groundwater was reported as 163.2 feet bg on April 13, 1994. Surface elevation of the well is 720.8 feet above msl. The groundwater elevation is approximately 587.6 feet above msl. A subsurface barrier to groundwater movement lies between the two wells, parallelling the approximate location of Glendora Avenue. Direction of groundwater flow in the area of the site is generally southwest according to the LACDPW Hydrogeology Section. In addition to these reported depths to the regional groundwater table, localized perched groundwater at shallower depths also may be present at the site.

Conclusions

Based on the laboratory analytical results of the soil samples collected, soils beneath the western end of the USTs (and under the eastern ends of USTs 1 and 3) have been impacted by petroleum hydrocarbons. Based on the laboratory analytical results of the soil samples collected, soils beneath the gasoline dispensers, the diesel dispenser, and the gasoline product delivery lines (soil samples P2, P3, and P4) have been impacted by petroleum hydrocarbons.

Based on Table 2-1 of the Leaking Underground Fuel Tank (LUFT) Manual (refer to Appendix D), the maximum acceptable levels that can be left in place without threatening groundwater are 100 mg/kg for TPH-gasoline, 1,000 mg/kg for TPH-diesel, 0.3 mg/kg for benzene and toluene, and 1 mg/kg for ethylbenzene and total xylenes. Soil samples 1A, 2A, 3A, 3C, and 4A from beneath the USTs, all the soil samples from beneath the dispensers, and soil samples P3 and P4 exceed at least one of the maximum acceptable levels.

If you have any questions or require additional information pertaining to this report, please feel free to contact us.

Sincerely,

Enclosures:

Edward J. Trosper

Edward J. Trosper, R.G. 4586, C.E.G. 1526 Senior Project Manager

Thomas J. Dolan, P.E. Director of Engineering



Figure 1 - Vicinity Map Figure 2 - Site Map Table 1 - Soil Sample Results Appendix A - LACDPW Permit Appendix B - UST and Rinseate Transportation and Disposal Manifests Appendix C - Laboratory Report and Chain of Custody Form Appendix D - Table 2-1 of the LUFT Manual

cc:

Mr. Greg Thomas, CET Mr. Montri Phuvadakorn, Al Sal Oil Company, Inc. Mr. Don Duckworth, City of Covina Building Division

Statement Statement



FREE I VICTORTY MARK

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LOCATION MAP

Scole: 1" = 2400 Feet



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FIGURE 1 - VICINITY MAP

TANK REMOVAL REPORT Al Sal Oil Company #23 601 N. Grand Avenue Covina, California LACDPW Permit Number #136273 LACDPW File Number #9897-9741 Project 9506-07



SAN BERNARDINO ROAD

LEGEND

D13

ENVIRONMENTAL APPLICATIONS, INC.

Soil Sample Location Product Line NORTH SCALE: 1 inch = 30 feet

FIGURE 2 - SITE MAP

TANK REMOVAL REPORT

Al Sal Oil Company #23 601 N. Grand Avenue Covina, California LACDPW Permit Number #136273 LACDPW File Number #9897-9741 Project 9506-07

Table ALSAL OIL CO 601 M. Grand Conta, Cal Conta, Cal LACDWFFIe Num, Cal Conta,
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TH BELOW USCS RADE (feet) USCS 19 SW 3 ML 4 SM

Environmental Applications, Inc.

NA = not analyzed

Page T1-1

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app Closure Permit CLOSURE PERMIT SUPPLEMENT No.: 136213 HAZARDOUS MATERIALS UNDERGROUND STORAGE File No. A. 009897-009741 LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS WASTE MANAGEMENT DIVISION 900 S. FREMONT AVENUE PART 1 OF 2 ALHAMBRA, CA 91803 To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan. Samples shall be obtained at the sampling points (SP) indicated on the 1. attached plot plan. 2. For each SP, samples shall be obtained at the following depths: Analysis Method Compounds Depth(s) SP 8015 (M) 8020 TPII(D), BTEX below 2-4 1A, 1B, 1C. tiany invest 11 bel. wi 2-4 11 under each dis pensel diebenset 11 helow 11 11-9 2-18ample starti Ruen 20 at ousperser the 2A, 2B, 2C', 2-4' below 8015(M) 8020 TPH(G), BTEX 3A, 3B, 3C. gre. Dotts organic lead my fy reg Invert tank. hi addin to alma 4A, 4B, 4C 1, 2-4 below each 11 1sample chebersa. 2--4 18an 2 1 1 48 every STRATI 20 de benged dn4/FPERMIT Rev. 3/90 Cont'd on Page 2


EXPLANATION

CASOUNE UNDERGROUND STORACE

- DISPENSER ISLAND LOCATION
 - E/S EMERGENCY STAGING AREA
 - HSDS STORAGE LOCATION
 - C ELECTRICAL PANEL LOCATION
 - CAS SHUT-OFF
 - W WATER SHUT-OFF
 - J FIRE HYDRANT

	0 30 SCALE	Feet
ES3	AL-SAL OIL COMP 601 N. GRAND AV COVINA, CA	ENUE
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UST AND RINSEATE TRANSPORTATION AND DISPOSAL MANIFESTS

2050 0039 (Expire 930.96) See Instructions on back of page 6. ant of York Substances Control Bacromente, Cattlenda UNIFORM HAZARDOUS Protor's US EPA ID N onitest Document No 2. Foos 1 WASTE MANIFEST Information in the shaded argo is not required by Federal law CHD9816619290000 's Name and Mailing Address ALSAL CIL Co PASADANA, CA. GIO7 CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIX, CALL 1-800-424-10 0674 440-6. US EPA ID Numbe PUICES MU 1971711 85668 P. Designated facility Nome and Site Address DEMENNE JERDON JEDN N. ALAMEON ST. 111 10. US EPA ID N L'allingto COMPTON, CA. 90177 DRODUBRS no 11. US DOT Description (including Proper Shi 19. Tot 12. 60 14. Unit ping Name, Hozard Closs, and ID Number No. Type P.n GENE WASIL / IGUID 12ADDOULS 00750 m TT d. DILAWATCH MIXING 15. Special Handling Instructions and Additional Inform 16. GENERATOR'S CERTIFICATION: I hereby declore that the contents of this contignment are fully and occurately described above by proper shipping name and are clouified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. OR SPILL, If I am a large quantity generator, I certify that I have a program in place to reduce the volume and taxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, # I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is evellable to me and that I can afford. od/Ivped Nom Signature Month 20 60 17. Aransporter 1 Acknowledgement of Receipt of Materials Printed/Typed Nome Signature HDBII 18. Transporter 2 Ackno Ò et of Receipt of Materiale Printed /Typed Nome Signature Mont Day Yeer 19. Discrepancy Indication Space FAGLEL 20. Facility Owner or Operator Certification of receipt of hozardous materials covered by this manifest except as noted in them 19 Printed/Typed Nome Month Day Yeor 1200 16 DO NOT WRITE BELOW THIS LINE. 022A (9/94) Green TRANSPORTER RETAINS 00-22 de 15 41.5 d 210 511 0200 CET CONSTRUCTION DEPT 101-54-95 NON 05:24 LUd.

L.A. INDUSTRIAL SERVICE INC. 378 WEST 133RD STREET LOS ANGELES, CA 90061 (310) 538-0092 • FAX (310) 538-8478

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ADDRESS: 16212 MAPLE AV	GARDENA, CA. 90248
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ADDRESS: GO1 N. GRAND AV	CITY: COVINA ZIP
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CONTRACTOR'S SIGNATURE REPRESENTS ACCEPTANCE OF TERMS FOR PAYMENT, AND CONFIRMS THAT TANK REMOVAL COMPLIES WITH STATE LAWS.

CONTRACTOR'S SIGNATURE

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP TURPOSTS ONLY.

'S-STEEL 105 ()

AUTHORIZED REP.

06/28/95

DATE :

FORM REVISED 1989

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COUINI JU. 13 '95 87:37 G.V. AUNTS SERVICES MARINE CHEMIST CERTIFICATE D, Beck & Assoc., Inc. 7330 REOR TESTING LABORATORY Serial # 28 JUNE 95 UR PHONE: (310) 492-9646 DII LINNIAL 601 N. GRAND ROUND TKS BELOW 07, 11/ 4M LEL GASOL INE Time Gurvey Comp CAIDO TESTED: O'/ LEL 20.8% 11× VCW SAFE FOR WARKE NOT SKEE NUT TESTED TAXITS. FOR SPECIFIC MICROLARD (AUBRATED & OTIS 28 JUNE 95 In the event of any physical or almospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or it in any doubt, inimediately stop all work and contact the undersigned Marina Chemist QUALIFICATIONS: Transfer of ballast or manipulation of valves or sloeure equipment landing to alter conditions in pipe lines, tanks or compariments subject to pre-spoundation, unless specifically approved in this Certificate, requires inspection and andorement or release of Certificate for the spaces so effected. All lines, vents, heating colis, valves, and similarly enclosed appurtanences shall be considered "not safe" unless otherwise specifically designated. STANDARD BAFETY DESIGNATIONS (pertial list, paraphrased from NFPA 308 Subsections 2.3.1 through 2.3.5, and Subsection 6-3.2) SAFE POR WORKERS: Means that in the compartment or space so designeted: (a) the oxygan contant of the stroophere is at least 19.5 percent by volume; and that, (b) look materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chamist's Certificate. NOT SAFE FOR WORKERB: Means that in the compartment or space so designated, the requirements of Sale for Workers have not been met. ENTER WITH RESTRICTIONS: Means that in any compariment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable meterials in the atmosphere is below 10 percent of the lower flammable smit; and that, (c) the residues are not capable of producing a higher concentration then permitted by (b) above under existing stmosphere is below 10 percent of the lower flammable smit; and that, (c) the residues are not capable of producing a higher concentration then permitted by (b) above under existing stmosphere conditions in the presence of fire, and white maintained as directed on the Merine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room billiges, have been treated in aboor-dance with the Marine Chemist's requirements. NOT SAFE FOR HOT WORK: Means that in the compariment so designated, the requirements of Safe for Hot Work have not been met. CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 305 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its seeigned designation. This Centricate is based on conditions existing at the time the inspection herein set forth was completed and is leaved subject in compliance with importations and inspudients. e receipt of this Campicals under Section 2-6 of NFPA 306 and 6 Chamles DOLD Certificate No. INC-24-95 MON 02:20 PM CET CONSTRUCTION DEPT 6050 212 012 \$0 d

APPENDIX C

LABORATORY REPORT AND CHAIN OF CUSTODY FORM

CLAP No. 1986



Environmental Laboratories

7801 Telegraph Road, Suite J Montebello, CA 90640

Phone (213) 888-0728 Fax (213) 888-1509

LABORATORY REPORT FORM

Laboratory Name: Southland Technical Services Environmental Labs

Address: 7801 Telegraph Road, Suite J. Montebello, CA 90640

Telephone: 213-888-0728

Fax: 213-888-1509

Laboratory Certification (ELAP) No: 1986

Expration Date: 4-30-1996

Laboratory Director's Name (Print): Roger Wang ing was

Laboratory Director's Signature:

Client: Project: Lab Job No .:

Environmental Applications 601 N. Grand, Covina Q50673

Analytical Method: EPA 8015M (Gasoline) EPA 8020 (BTEX) EPA 8015M (Diesel) Organic Lead

Date Sampled: 06-28-1995

Date Received: 06-28-1995

Date Reported: 07-05-1995

Sample Matrix: Soil

Methanol for Gasoline/BTEX Extraction Material: Hexane for Diesel

Chain of Custody Received: Yes Sample Condition: Chiled, intact, good condition

--Sample Headspace Description (%): 0



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Phone (213) 888-0728 Fax (213) 888-1509

ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

					06 20 05	06-78-921
vsis for Gasol	ine/BTEX	06-28-95	06-28-95	06-28-95	06-28-95	06-28-95
tion for Gasol	ine/BTEX	06-28-95	06-28-95	06-28-95	00-28-95	200
ctor for Gasol	ine/BTEX	1	200	1	1	200
Date of Analysis for TPH (Diesel)		06-28-95	06-28-95	06-28-95	06-28-95	
action for TPH	(Diesel)	06-28-95	06-28-95	06-28-95	06-28-95	
Dilution Easter for TPH (Diesel)			10	1	1	00673.4
LAD SAN	APLE ID.		Q0673-1	Q0673-2	Q0673-3	00073-4
CLIENT SAMPLE LD				1B	1C	ZA
CLIENT SAN	MDI	MB			A STREET, STRE	
D	MDL	NID	ND	ND	ND	0.96
1	0.005	ND	ND	ND	ND	6.1
	0.005	ND	ND	ND	ND	536
)	0.005	ND	15.4	ND	ND	1 407
)))	0.015	ND	7.4	ND	ND	407
,)	10	ND	NA	NA	NA	3,630
	10	ND	5 (20	ND	1 22	I NA
	10	ND	5,620	ND		1 OVDC
Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	%KC
20 mm	70 130	121	119	88.5	90.5	125
20 ppb	70-130	121				
50 ppm	70-130	116	125	114	115	5
	ysis for Gasol tion for Gasol ctor for Gasol nalysis for TP) factor for TPH Factor for TPH LAB SAM CLIENT SAM D))) Spk Conc. 20 ppb 50 ppm	ysis for Gasoline/BTEX tion for Gasoline/BTEX ctor for Gasoline/BTEX nalysis for TPH (Diesel) factor for TPH (Diesel) LAB SAMPLE I.D. CLIENT SAMPLE I.D. D MDL 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.015 10 10 20 ppb 70-130	ysis for Gasoline/BTEX 06-28-95 tion for Gasoline/BTEX 06-28-95 ctor for Gasoline/BTEX 1 nalysis for TPH (Diesel) 06-28-95 action for TPH (Diesel) 06-28-95 Factor for TPH (Diesel) 1 LAB SAMPLE I.D. 06-28-95 CLIENT SAMPLE I.D. 0 D MDL MB 0.005 0.005 ND 0 0.005 ND 0.005 0 ND 0.005 ND 0 0.015 ND 10 10 ND 20 ppb 70-130 50 ppm 70-130 116	ysis for Gasoline/BTEX 06-28-95 06-28-95 tion for Gasoline/BTEX 06-28-95 06-28-95 ctor for Gasoline/BTEX 1 200 nalysis for TPH (Diesel) 06-28-95 06-28-95 action for TPH (Diesel) 06-28-95 06-28-95 action for TPH (Diesel) 06-28-95 06-28-95 Factor for TPH (Diesel) 1 10 LAB SAMPLE I.D. Q0673-1 CLIENT SAMPLE I.D. 1A D MDL MB 0.005 ND ND 0.005 ND ND 0.005 ND 15.4 0) 0.015 ND 7.4 0) 0.015 ND 7.4 0) 0.015 ND 5.620 Spk Conc. ACP% MB %RC %RC 20 ppb 70-130 121 119 50 ppm 70-130 116 125	ysis for Gasoline/BTEX 06-28-95 06-28-95 06-28-95 tion for Gasoline/BTEX 06-28-95 06-28-95 06-28-95 ctor for Gasoline/BTEX 1 200 1 nalysis for TPH (Diesel) 06-28-95 06-28-95 06-28-95 action for TPH (Diesel) 06-28-95 06-28-95 06-28-95 factor for TPH (Diesel) 1 10 1 LAB SAMPLE I.D. Q0673-1 Q0673-2 CLIENT SAMPLE I.D. 1A 1B D MDL MB	ysis for Gasoline/BTEX 06-28-95 06-28-9

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed

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ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

Date of Ana	vsis for Casa	ine/DTEV	06 39 05	06 00 05	00000	06 00 06	06.00.05
Date of Fytme	Date of Extraction for Castline DTEA				06-28-95	06-28-95	06-28-95
Duct of Extraction for Gasoline/BTEX			06-28-95	06-28-95	06-28-95	06-28-95	06-28-95
Dilution Fa	ictor for Gasol	line/BTEX	1	1	1	1	1
	LAB SAN	MPLE I.D.	1	Q0673-5	Q0673-6	Q0673-7	Q0673-8
	CLIENT SAN	MPLE I.D.		2B	2C	3A	3B
COMPOUN	MB						
Benzene (EPA 8020)		0.005	ND	ND	ND	0.39	ND
Toluene (EPA 8020)		0.005	ND	ND	ND	4.6	ND
Ethylbenzene (EPA 8020) 0.005			ND	ND	ND	29	ND
Total Xylenes (EPA 802)	0)	0.015	ND	ND	ND	234	ND
Gasoline (EPA 8015M) 10			ND	ND	ND	1,770	ND
Surrogate	Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	%RC
BFB (for Gasoline/BTEX)	20 ppb	70-130	121	88.5	95	160*	118

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed

Matrix Interference

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ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

Data of A	1 1 0 -						
Date of Ana	lysis for Gaso	line/BTEX	06-28-95	06-28-95	06-28-95	06-28-95	06-28-95
Date of Extra	ction for Gaso	line/BTEX	06-28-95	06-28-95	06-28-95	06-28-95	06-28-95
Dilution F	1	8	40	1	1		
	LAB SAN		Q0673-9	Q0673-10	Q0673-11	Q0673-12	
		3C	4A	4B	4C		
COMPOUN	D	MDL	MB	Sector Street			
Benzene (EPA 8020)		0.005	ND	0.114	0.68	ND	ND
Toluene (EPA 8020)		0.005	ND	1.18	20.6	ND	ND
Ethylbenzene (EPA 8020)		0.005	ND	2.1	34.1	ND	ND
Total Xylenes (EPA 802	0)	0.015	ND	22	310	ND	ND
Gasoline (EPA 8015M)		10	ND	226	1,650	ND	ND
Surrogate	Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	%RC
BFB for Gasoline/BTEX)	20 ppb	70-130	121	143 *	170 *	108	104

SPK Conc = Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed

Matrix Interference

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ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

Date of Ana	lysis for Gasol	ine/BTEX	06 29 05 1	06 28 05	06 00 05	06 28 05	06 28 05
Date of Extrac	tion for Gasol	ine/BTEX	06-28-95	06-28-95	06-28-95	06-28-95	06-28-95
Dilution Factor for Gasoline/BTEX			1	1	50	100	200
		Q0673-13	Q0673-14	Q0673-15	Q0673-16		
		D1	D2	D3	D4		
COMPOUND MD			MB				
Benzene (EPA 8020)		0.005	ND	0.11	2.9	1.8	ND
Toluene (EPA 8020)		0.005	ND	0.083	25.5	2.4	2.3
Ethylbenzene (EPA 8020))	0.005	ND	0.99	13	12	12
Total Xylenes (EPA 802	0)	0.015	ND	8.7	84	100	110
Gasoline (EPA 8015M)		10	ND	37	516	600	750
Surrogate	Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	%RC
BFB for Gasoline/BTEX)	20 ppb	70-130	121	125	123	104	113

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed

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ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

Date of Ana	lysis for Caso	line/D/FIN	0/ 00 00				
Date of Extra	tion for Case	InterBIEX	06-29-95	06-29-95	06-29-95	06-29-95	06-29-95
Dilution E	Dilution Easter & Gasonne/BTEX			06-28-95	06-28-95	06-28-95	06-28-95
Enduon Factor for Gasoline/BTEX			1	100	1	10	2
		00673-17	00673-18	00673-19	00673-20		
CLIENT SAMPLE I.D.				DS	D6	D7	D8
COMPOUN	D	MDL	MB				
Benzene (EPA 8020)		0.005	ND	ND	ND	0.37	0.03
Toluene (EPA 8020)		0.005	ND	2.4	0.021	0.93	0.024
Ethylbenzene (EPA 8020))	0.005	ND	9.8	0.29	156	15
Total Xylenes (EPA 802)	0)	0.015	ND	78	11	55	4.9
Gasoline (EPA 8015M) 10		10	ND	610	11	1.050	62
Surrogate	Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	MRC.
FB for Gasoline/BTEX)	20 ppb	70-130	80.5	98.5	126	198 *	150 *

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed

Matrix Interference

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ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

Date of Analysis for Casaling (DEDIV) of an article									
Date of Extract	ion for Casol	ne/BTEX	06-29-95	06-29-95	06-29-95	06-29-95	06-29-95		
Dilution	Dille of Extraction for Gasoline/BTEX			06-28-95	06-28-95	06-28-95	06-28-95		
Ditution Fac	ctor for Gasoli	ne/BTEX	1	400	1,000	100	200		
	LAB SAMPLE I.D.				Q0673-22	00673-23	Q0673-24		
CLIENT SAMPLE I.D.				D9	D10	D11	D12		
COMPOUNI		MDL	MB						
Benzene (EPA 8020)		0.005	ND	2.2	45	1.6	31		
Toluene (EPA 8020)		0.005	ND	4.1	370	9.8	206		
Ethylbenzene (EPA 8020)	0.005	ND	43	150	3.2	80		
Total Xylenes (EPA 8020))	0.015	ND	320	960	25	548		
Gasoline (EPA 8015M)		10	ND	1,900	6,000	220	3,700		
Surrogate	Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	%RC		
BFB (for Gasoline/BTEX)	20 ppb	70-130	80.5	107	103	91	123		

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed



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ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

Date of Anal	Date of Analysis for Gasoline/BT			06-29-95	06-29-95	06-29-95	06-29-95
Date of Extrac	tion for Gasoli	ne/BTEX	06-28-95	06-28-95	06-28-95	06-28-95	06-28-95
Dilution Fa	ctor for Gasoli	ne/BTEX	1	40	1	1	1,000
Date of Analysis for TPH (Diesel)		06-28-95	06-28-95	06-28-95	06-28-95	06-28-95	
Date of Extra	ction for TPH	(Diesel)	06-28-95	06-28-95	06-28-95	06-28-95	06-28-95
Dilution	Factor for TPH	I (Diesel)	1	1	1	1	1
TAX DEPARTMENT	LAB SAN	IPLE I.D.		Q0673-25	Q0673-26	Q0673-27	Q0673-28
CLIENT SAMPLE I.D				D13	P1	P2	P3
COMPOUND MDL		MDL	MB				-
Benzene (FPA 8020)		0.005	ND	ND	ND	ND	85
Taluara (EDA 8020)		0.005	ND	0.24	ND	ND	590
Toluene (EFA 8020)		0.005	ND	0.92	ND	0.025	170
Ethylbenzene (EPA 8020	0)	0.005	ND	4.9	ND	0.053	1,040
Total Xylenes (EPA 802	0)	0.015	ND		ND	ND	10,000
Gasoline (EPA 8015M)		10	ND	InA	1 DIA	I NIA	I NA
Diesel (EPA 8015M)		10	ND	5,100	NA	INA	
Surrogate	Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	%R(
BFB for Gasoline/BTEX)	20 ppb	70-130	80.5	113	92	98.5	115
Chlorobenzene for Diesel)	50 ppm	70-130	116	115			

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed STS

Southland Technical Services, Inc. Environmental Laboratories

of Telegraph Road, Suite J nebello, CA 90640

Phone (213) 888-0728 Fax (213) 888-1509

ANALYTICAL TEST RESULT Reporting Unit: mg/kg (ppm)

Date of Analy Date of Extract Dilution Fac	ysis for Gasol tion for Gasol ctor for Gasol LAB SAN CLIENT SAN	ine/BTEX ine/BTEX ine/BTEX IPLE I.D. IPLE I.D.	06-29-95 06-28-95 1	06-29-95 06-28-95 200 Q0673-29		
COMPOUNI)	MDL	MB	P4		
Benzene (EPA 8020)		0.005	ND	10		
Toluene (EPA 8020)	Toluene (EPA 8020)		ND	13		
Ethylbenzene (EPA 8020))	0.005	ND	110		
Total Xylenes (EPA 8020))	0.015	ND	36		
Gasoline (FPA 8015M)		0.015	ND	230		
Gasonne (ELTT GOTONI)		10	ND	1,500		
Surrogate	Spk Conc.	ACP%	MB %RC	%RC		
BFB for Gasoline/BTEX)	20 ppb	70-130	80.5	89.5		

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed



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Environmental Laboratories

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QA/QC REPORT

Reporting Unit: µg/kg

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Date Performed:06-28-95

L

F

Batch #: 0628-G1

Lab Sample I.D .: Q0673-3

ANALYTE	SPK CONC	MS	%MS	MSD	%MS D	RPD	ACP %MS	ACP RPD
Benzene	200	223	112	217	109	2.7	70-130	<30
Toluene	200	234	117	224	112	4.4	70-130	<30

II. Laboratory Quality Control Check Sample

Date Performed: 06-28-95 Batch #: 0628-G1 Lab Sample I.D.: LCS Analyte SPK CONC RESULT %RECOVERY ACP % Benzene 200 219 110 80-120 Toluene 200 222 111 80-120

III. **Calibration Standard**

Date:	Initial Calibration 05-30-1995	Daily Calibration 06-28-1995	
Supply Source:	AccuStandard	AccuStandard	

ANALYTE	Initial RF _{ave}	%RSD	Daily RF	% Diff w/ RF _{ave}
Benzene	9.0470E-05	7.2	7.5288E-05	9.5
Toluene	1.0257E-04	11.1	7.9866E-05	11.6
Ethylbenzene	1.2938E-04	13.2	1.0104E-04	7.9
M&P-Xylenes	8.8452E-05	4.2	7.6098E-05	10.0
O-Xylene	1.0393E-04	9.0	8.7415E-05	7.2
Gasoline	3.0340E-04	10.2	3.3431E-04	5.7

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QA/QC REPORT

Reporting Unit: µg/kg

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) I.

Date Performed: 06-29-95

Batch #: 0629-G1

					Lau	Sample .	L.D. Q0075	-0
ANALYTE	SPK CONC	MS	%MS	MSD	%MS D	RPD	ACP %MS	ACP RPD
Benzene	200	225	113	194	97	15.2	70-130	<30
Toluene	200	239	120	209	105	13	70-130	<30

Laboratory Quality Control Check Sample II.

Date Performed: Batch #: 0629-G1 Lab Sample I.D.: LCS 06-29-95 %RECOVERY ACP % Analyte SPK CONC RESULT 80-120 97 Benzene 200 194 80-120 103 Toluene 200 205

III. **Calibration Standard**

	Date:	Initial Calibration 05-30-1995	Daily Calibration 06-29-1995	
	Supply Source:	AccuStandard	AccuStandard	
Г				% Diff w/

ANALYTE	Initial RF _{ave}	%RSD	Daily RF	RF _{ave}
Benzene	9.0470E-05	7.2	7.7239E-05	7.1
Toluene	1.0257E-04	11.1	8.5028E-05	5.9
Ethylbenzene	1.2938E-04	13.2	9.6566E-05	11.9
M&P-Xylenes	8.8452E-05	4.2	7.5368E-05	10.8
O-Xylene	1.0393E-04	9.0	8.3392E-05	11.5
Gasoline	3.0340E-04	10.2	3.3097E-04	4.6



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QA/QC REPORT Reporting Unit: mg/kg

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) L

Date Performed: 06-28-95

	Batch #:0628-D1			Lab Sample I.D: Q0673-3				
ANALYTE	SPK CONC	MS	%MS	MSD	%MS D	RPD	ACP %MS	ACP
Diesel	200	175	88	143	71.5	20.0	70.120	NID
			00	145	1 /1.5	20.8	1 70-130	<30

Laboratory Quality Control Check Sample IL

Date Performed:	06-28-95	Batch #: 0628-	D1 Lat	Sample I.D.: LCS
Analyte	SPK CONC	RESULT	%RECOVERY	ACP %
Diesel	200	204	102	80-120

Calibration Standard IIL

Date: Supply Source:	Initial Calibra 6-7-1994 Texaco	tion	Daily Calibration 06-28-1995 Texaco	
ANALYTE	Initial RF _{ave}	%RSD	Daily RF	% Diff w/ RF _{ave}
Diesel	2.565E-05	10.39	2.3404E-05	8.7



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Project:601 N. Grand Ave, CovinaLab Job No.:Q50673Date Received:06-28-1995Date Sampled:06-28-95Matrix:SoilDHS Method for Organic Lead Reporting Units: mg/kg (ppm)Date Analyzed: Run Batch No.:06-29-95Sample IDLab IDOrganic Lead Reporting Units: mg/kg (ppm)Detection Limit2AQ0673-4ND0.52BQ0673-5ND0.52CQ0673-6ND0.53AQ0673-7ND0.53BQ0673-8ND0.53CQ0673-8ND0.53CQ0673-8ND0.53BQ0673-8ND0.53BQ0673-8ND0.53CQ0673-8ND0.53BQ0673-8ND0.53CQ0673-8ND0.53CQ0673-8ND0.53CQ0673-8ND0.53CQ0673-8ND0.53CQ0673-8ND0.5
Date Received:06-28-1995Date Sampled:06-28-95Matrix:SoilDHS Method for Organic Lead Reporting Units: mg/kg (ppm)Date Sampled:06-29-95Sample IDLab IDOrganic Lead Reporting Units: mg/kg (ppm)Detection Limit2AQ0673-4ND0.52BQ0673-5ND0.52CQ0673-6ND0.53AQ0673-7ND0.53BQ0673-8ND0.53CQ0673-8ND0.5
Matrix:SoilDate Analyzed: Run Batch No.:06-29-95Matrix:SoilDate Analyzed: Run Batch No.:06-29-95Sample IDLab IDOrganic Lead Reporting Units: mg/kg (ppm)Detection Limit2AQ0673-4ND0.52BQ0673-5ND0.52CQ0673-6ND0.53AQ0673-7ND0.53BQ0673-8ND0.53CQ0673-8ND0.5
Run Batch No.:DHS Method for Organic Lead Reporting Units: mg/kg (ppm)Sample IDLab IDOrganic LeadDetection Limit2AQ0673-4ND0.52BQ0673-5ND0.52CQ0673-6ND0.53AQ0673-7ND0.53BQ0673-8ND0.5
DHS Method for Organic Lead Reporting Units: mg/kg (ppm)Sample IDLab IDOrganic LeadDetection Limit2AQ0673-4ND0.52BQ0673-5ND0.52CQ0673-6ND0.53AQ0673-7ND0.53BQ0673-8ND0.53CQ0673-8ND0.5
Sample IDLab IDOrganic LeadDetection Limit2AQ0673-4ND0.52BQ0673-5ND0.52CQ0673-6ND0.53AQ0673-7ND0.53BQ0673-8ND0.53CQ0673-8ND0.5
Sample ID Lab ID Organic Lead Detection Limit 2A Q0673-4 ND 0.5 2B Q0673-5 ND 0.5 2C Q0673-6 ND 0.5 3A Q0673-7 ND 0.5 3B Q0673-8 ND 0.5
Limit 2A Q0673-4 ND 0.5 2B Q0673-5 ND 0.5 2C Q0673-6 ND 0.5 3A Q0673-7 ND 0.5 3B Q0673-8 ND 0.5 3C 00673-8 ND 0.5
2A Q0673-4 ND 0.5 2B Q0673-5 ND 0.5 2C Q0673-6 ND 0.5 3A Q0673-7 ND 0.5 3B Q0673-8 ND 0.5 3C 00673-8 ND 0.5
2A Q0673-4 ND 0.5 2B Q0673-5 ND 0.5 2C Q0673-6 ND 0.5 3A Q0673-7 ND 0.5 3B Q0673-8 ND 0.5 3C 00673-8 ND 0.5
2B Q0673-5 ND 0.5 2C Q0673-6 ND 0.5 3A Q0673-7 ND 0.5 3B Q0673-8 ND 0.5 2C 0.673-7 ND 0.5 3B Q0673-8 ND 0.5 2C 0.0573-8 ND 0.5
2C Q0673-6 ND 0.5 3A Q0673-7 ND 0.5 3B Q0673-8 ND 0.5 3C Q0673-8 ND 0.5
3A Q0673-7 ND 0.5 3B Q0673-8 ND 0.5 3C 00673-0 ND 0.5
3B Q0673-8 ND 0.5
3C Q0673-9 ND 0.5
4A Q0673-10 ND 0.5
4B Q0673-11 ND 0.5
4C Q0673-12 ND 0.5
D1 Q0673-13 ND 0.5
D2 Q0673-14 ND 0.5
D3 Q0673-15 ND 0.5
D4 Q0673-16 ND 0.5
D5 Q0673-17 ND 0.5
D6 Q0673-18 ND 0.5
D7 Q0673-19 ND 0.5
D8 Q0673-20 ND 0.5
D9 Q0673-21 ND 0.5
D10 Q0673-22 ND 0.5
D11 Q0673-23 ND 0.5
D12 00673-24 ND 0.5
PI 00673-26 ND 0.5
P2 00673-27 ND 0.5
P3 00673-28 ND 0.5
P4 00673-29 ND 0.5

ND: Not Detected (at the specified limit).

25 Hours 24 Hours 24 Hours 24 Hours 24 Hours 24 Hours 26 Hours 27 Hours 28	
Page Lab Job Number Turn Aroun Arves 8 13 Page Turn Aroun Arves 8 13 D2-3 days Sample Rec D2-3 days Sample ID Sample ID Sample ID Sample ID Chilled D Sample ID Sample ID Chilled D Sample ID Chilled D Chilled D Chille	lypes: BEBrass Tube PEPlastic Bottle V=VOA Bottle v=vOA Bottle of at client expense.
Ses Requested	*Sample Container A=Air Bag G=Glass Container G=Glass Container ST=Steel Tube eresults are reported unles irmed to client or disposed irmed to client or disposed
atories, jo.	Company Set S Company company discarded 30 days after discarded 30 days after the return E with report, YELLOW
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ental Laboratories, Inc. ORD	Company Company Sample Contained Menc M Company *Sample Contained Menc M Company Sample Contained Company M Sample Contained A=Alir Bag Company Company Sample Contained A=Alir Bag Company Company ST=Steel Tube Contained Vote: Samples are discarded 30 days after results are reported Vote ST=Steel Tube Vote: Samples are discarded 30 days after results are reported Vote ST=Steel Tube Vote: Samples are discarded 30 days after results are reported Vote Standous Vote: Samples will be returned to client or discarded Distribution: VMHTE with report, YELLOW to STS, PINK to courted
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APPENDIX D

TABLE 2-1 of the LUFT MANUAL

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Table 2-1 (LUFT Manual, 1989) Leaching Potential Analysis for Gasoline and Diesel Using Total Petroleum Hydrocarbons (TPH) and Benzene, Toluene, Xylene and Ethylbenzene (BTX&E)

The following table was designed to permit estimating the concentrations of TPH and BTX&E that can be Jeft In place without threatening groundwater. Three levels of TPH and BTX&E concentrations were derived (from modeling) for sites which fall into categories of low, medium, or high leaching potential. To use the big find, the appropriate description for each of the formation, or high leaching potential. To use the (from modeling) for sites which fail into categories of low, medium, or high leaching potential. To use the table, find the appropriate description for each of the features. Score each feature using the weighting the weighting burns the top of each column. Such the total top of each total them. Match the total system shown at the top of each column. Sum the points for each column and

					and total	them.	Match th	e total		
SITE FEATURE Minimum Depth to Group	dwater from the	SCORE	SCORE 10 PTS IF CON- DITION IS MET	SCORE	SCORE 9 PTS IF CON- DITION IS MET	S C O R E	SCORE 5 PTS IF CON DITION 18 MET	•		
Fractures In subsurface (applies to	10	> 100		51-100		25-50 ¹			
Average Annual Precipitat	s)	10	None		Unknown		Prese	nt		
Man-made conduits which	Incres)		< 10	9	10-25		26-40	2		
vertical migration of leach	ate	10	None		Unknown		Prese	nt		
Unique site features: rech coarse sole nearby wells,	arge area, etc.		None	9	At least one		More	than		
COLUMN TOTALS - TOTA	L POINTS	30	+	18	+	10		48		
RANGE OF TOTAL POINT	S	49	ots or more	4	1 - 48 pts	40	less			
MAXIMUM ALLOWABLE B/T/X/E LEVELS (PPM)		1/5	50/50/50	(3/.3/1/1		NA ³			
MAXIMUM ALLOWABLE	GASOLINE		1,000		(100)		10			
TPH LEVELS (PPM)		10,000		(1,000)		100				

1 If depth is greater than 5 feet and less than 25 feet, score 0 points (if depth is 5 feet or less, this table should not be used)

If precipitation is over 40 inches, score 0 points 2

Levels for BTX&E are not applicable at a TPH concentration of 10 ppm (gasoline) or 100 ppm (diesel) 3 (For explanation see step 6, page 27 [of the LUFT Manual])

NOTE: Minimum depth to groundwater must be historic high

County of Los Angeles, Department of Public Works, UST Local Oversight Program; "Guidelines for Report Submittals," June 1993

Date 11/17/2015 Permit Number 7693	536
FORM VALID HUN 4 POLO TO HUN POL	
DPW USE ONLY:	10
TRANSFER OF HAZARDOUS MATERIALS	68
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS APPLICATION NO	
Alhambra, CA 91803-1331	
(626) 458-3517, Fax (626) 458-3569 <u>www.CleanLA.com</u> DATE REC [*] D. <u>2/19/14</u> BY	
Pursuant to Los Angeles County Code Title 11, Division 4, Section 11.80.170, application is hereby made for the transfer of of an existing Hazardous Materials Underground Storage Permit (Permit) or Unified Program (UP) Permit which includer Underground Storage Tanks (USTs).	ownership corporates
COMPLETE THE FOLLOWING: 10221	oc .
Existing Permit No. AROUL297.5 California Environmental Reporting System (CERS) ID# 1028	5705
	<u> </u>
New Facility Name OOLALD STATE FILEPPISES # 257238	
Facility Address 1001 n Grand City Conne	
Assessor Parcel Number (APN) Map Book No. Page No. Parcel No.	
A Deles Chate Telescolis 110 minut	4
New Permittee name <u>GOIDEN STOTE ENCENDINGS CCC</u> Number of USTs	<u> </u>
Unified Program facility owner only IF UST OPERATOR IS NOT THE UST OWNER, AND IS <u>NOT NAMED</u> ON THE UNIFIED PROGRAM FACILIT COMPLETE THE FOLLOWING:	TY PERMIT,
UST Operator Name	
UST Operator Address Zip	
No fee required to notify of operator change if that person is not replacing a person named in the Unified Prog	ram Permit.
This Application for Transfer must be signed and accompanied with the following:	BLIC WORKS"
OPERATING PERMIT TRANSFER FEE FATABLE TO: LOOTAGE (V) CHECK # 050.522	
APPLICATION FOR TRANSFER FEE. \$203.00 () ONOT () OTEOTA	
UPLOADED CERS UP UST FACILITY DATA • SUBMITTED DESIGNATED OPERATOR	FORM
UPLOADED CERS UP UST TANK FORM DATA (ALL USTS) . SUBMITTED FINANCIAL RESPONSIBIL	ITY FORMS
UPLOADED CERS UP UST MONITORING PLAN DATA . SUBMITTED UST RESPONSE PLAN FO	DRM
SIGNATURE BELOW, THE PERMIT TRANSFER APPLICANT ACKNOWLEDGES HAVING READ ALL O ANSFER ON THE REVERSE SIDE OF THIS FORM, AGREES TO COMPLY WITH THE CONDITIONS AND D ASSUMES THE OBLIGATIONS OF THE HAZARDOUS MATERIAL UNDERGROUND STORAGE PER OGRAM FACILITY PERMIT FOR WHICH TRANSFER IS REQUESTED.	CONDITIONS FO
NATURE MELT TITLE COmpliance M	101hacar
12 +10 2622 012.124	anagr
NT NAME USA TROMPSON DATE 2.12.14	anage

Exernal Number

Hazardous Materials Underground Storage Permit (Permit) Application for Transfer Supplement

This Application for Permit Transfer form is to be used only for the transfer of an existing Permit or underground This Application of an existing Permit or underground storage tank (UST) authorized under a Unified Program (UP) Facility Permit to a new owner or operator of a facility within the jurisdiction of the County of Los Angeles Department of Public Works (DPW).

The new Permit owner must complete and submit an Application for Transfer to DPW within 30 days of transfer. The application must be accompanied with uploaded UP form data to the California Environmental Reporting System (CERS) https://cersbusiness.calepa.ca.gov/Account/SignIn?RetumUrl=%2f, including all UP UST FACILITY INFORMATION data, UP UST TANK INFORMATION data, and UP UST MONITORING PLAN data. You must also submit a hard copy of the signed DESIGNATED OPERATOR FORM, FINANCIAL RESPONSIBILITY FORM (petroleum USTs), and UST RESPONSE PLAN FORM and the Transfer Fee.

By applying for transfer of an existing Permit, the new Permit owner agrees to assume all obligations under the existing Permit including all fee installments, installation and maintenance of approved monitoring systems, reporting requirements. IT IS THE APPLICANTS RESPONSIBILITY TO DETERMINE IF DELINQUENT FEES OR OTHER OUTSTANDING SUBMITTAL REQUIREMENTS, INCLUDING VIOLATION CORRECTIONS, ARE OWED

The DPW may review and modify, or terminate the Transfer of Permit if it is determined the facility is not providing or threatens not to provide for the safe underground storage of hazardous materials.

The owner or operator of USTs shall monitor the facility using the method specified in the Permit. If the permittee of a facility is not the UST owner or UST operator, the Permittee shall provide a copy of the Permit to both the owner and operator. If the Permittee is a person other than the UST operator of the USTs, that person shall do all of the following: a), enter into a written contract with the UST operator which requires the UST operator to monitor the USTs as set forth in the Permit, b), provide the UST operator with a copy of California Health and Safety Code, Division 20, Chapter 6.7 and California Code of Regulations Title 23, Division 3, Chapter 16, and c). inform DPW within thirty (30) days of any change of UST operator.

The Permit annual maintenance fee will be billed under the Los Angeles County Certified Unified Program Agency (CUPA) Consolidated Permit (Los Angeles County Code Title 12, Section 12.50.070) the following Fiscal Year (July 1 to June 30) to the Permittee authorized here, unless other specific arrangements have been approved by the DPW and CUPA. Regardless of billing arrangements, the UST owner is responsible for insuring payment of all fees and compliance with all monitoring requirements.

The Permittee, UST owner and UST operator shall comply with provisions of California Health and Safety Code, Division 20, Chapter 6.7, California Code of Regulations Title 23, Division 3, Chapter 16 and Chapter 18, and Los Angeles County Code, Title 11, Division 4.

CERTIFICATION OF COM	APLIANCE WITH
LOS ANGELES COUNTY LOB	BBYIST ORDINANCE
This is to certify that I, as permit applicant for the project located at <u>CO</u> am familiar with the requirements of Los Angeles County Code Chapter 2.160 and all persons acting on behalf of myself have complied and will continue to a <u>CO</u> <u>CO</u> <u>APPLICANT (PRINT NAME)</u> <u>APPLICANT (PRINT NAME)</u> <u>APPLICANT (PRINT NAME)</u>	<u>N. Grand</u> , <u>COVUE</u> LOCATION ADDRESS Location Address Location Address Location Address Location process. Comply therewith through the application process. MCT APPLICANT SIGNATURE <u>212-14</u> DATE

If you suspect fraud or wrongdoing by a County employee, please report it to the County www.lacountyfraud.org. You may remain anonymous

38-0011 DPW Rev. 07/13

PAGE 2 of 2

BLIC WORKS	"To Enrich Lives Through Effective And COUNTY OF LOS ANGELES DEPARTMENT ENVIRONMENTAL PROGRAMS UNDERGROUND STORAGE TANK UST INSPECTION REPORT	Caring Service" www.CleanLA.com OF PUBLIC WORKS DIVISION (UST) UNIT
Site Name	GOLDEN SPET DEPRIST 11 25 7221	_Permit Number769336
Street Addre	are 601 N CRAND AVE	_Site-File Number_009897 - 058971 - 6B
Facility Cont	Hact MR. EDEN RIVERA ADDRESS U - MARTIN	City/Zip Code COV/NA, CA 91724
Phone No	(626) 331- 5062 MARKETING	Inspection Number 817089
		_Inspected ByESSEVA_EQVEE

	CERS ID The follow in complie and regula	# 10285705 Ing Code sections are either in violation (V) of, or noc (C) with, the Underground Storage Tank laws thores, or compliance is not applicable (N) MAY 51 2016 By HA OA/OC	Contents A 7 - 6 Install Date 6/30/ Size 240	AS 95	Tank Mar Mo Contents 89- Install Da 6/3 Size	DERA DERA Loss ato 195		K Manufa EDD IA tents 71-61 all Date 7/30/	cturer IC Afj 195	Conten	anufacturer ts ESE2 Date	Tank M Conter Install	tanufacturer its Diate	
	TYPE	D INSPECTION ITEM	VC	N	V	CIN	V V	C C	N	V	CIN		CN	-
	1 201000	ADMINISTRATION / DOCUMENTA	TION	N			_	6	a			-		
	2 203002	1 Facility has a valid permit to operate from the CUPA		V	_	-	-	G	R	-	-	T4		
3	3 201000	7 Financial Responsibly current and on file? exp. 2/15/2016	-	v		-	-	6	2	-	-	H		1
4	4 2010010	A Submitted an accurate CUPA UST Operating Permit Application for Facility Info.		v	-	-	-	C	5	-	-	N		1
	2010010	B Submitted an accurate CUPA UST Operating Permit Application for Tank Info.		V	-	-	-	6	5			N		1 1
6	2030011	A Has statement of UST compliance certification been submitted	-	V	-			G	2		1	ħ		1
7	2010003	Has the owner/operator designated a UST operator		V		1		0	5			1	4	1
8	2030014	A Owner/operator received approval for a training program at an unstaffed facility		V				1	G			0	0	
9	20300148	Owner/operator implemented the approved training program		V	C			-	C			(N	
10	2030037	Written agreement between the tank owner and tank operator to monitor the tank system is maintained		V	,				С			(N)	
11	2030041	A complete and accurate plot plan has been submitted, approved and maintained		1	X,				0				N	
12	2030046	A complete and accurate response plan has been submitted, approved and maintained	ł	1	3			-	©				N	
13	2030007	Did they submit and maintain documentation regarding positive statement of compatibility for UST system components			V				С					
14	2010008D	Have they maintained written performance claims pertaining to release detection systems and calibration and maintenance records for such systems for 5 years			V				C				N	
15	2030068	Was enhanced leak detection testing conducted for the double-walled UST systems located within 1,000 feet of a public drinking water well			V				C				1	
16	2030066 U	Vas appropriate action taken to repair and retest any component of a double-walled IST system that is leaking liquid or vapor which is discovered from an enhanced leak etection test for UST system located within 1,000 feet of a public drinking water well			v				C				۲	
7 2	030067 N	/as ELD testing conducted every 36 months on USTs located within 1,000 feet of a ublic drinking well (singlewalled components)			v				C				1	
3 20	10008A Ha	we they maintained records of repairs, lining, and upgrades for life of UST		1			1			1		1		
20'	10008B Ha	ve they maintained written monitoring and maintenance records for 3 years		1			1			1		1		
201	0008C Ha	ve they maintained cathodic protection records for 6 1/2 years			1			~			1		1	
203	30033 Is a	n approved monitoring plan maintained.		V			V	1		1		1		1
2030	002A Has	monitoring system been certified annually		V			1			V		14		1
2030	002B Mon	itoring System Certification been submitted		V			V		1	-	-	1		1
2030	055 Have	spill buckets been tested annually		V			V			1	1	1	11	+
20600	016 Was	secondary containment testing conducted at installation			V			V			1	1	1	

UST Inspection Report updated 03/16/15

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SHEET TITLE

		100-File Human 009897-058971-68													
		A Impection Number	Owns ID:	1	Own (D	2	Own ID		Over 10	1	10mm II	5	-		
		Data	Contents	·	Conten		Conte	ats	Conter	-+	Conte	ents	-		
	(PE	ID INSPECTION ITEM	VC	N	V	CAS	NV	C N	V	c II	VV	TCT	N		
	.0300	18A Was secondary containment testing conducted within 6 months of install/repair		1			-		1		1				
	20300	Has secondary containment lesting been conducted every 36 months				V		1		1	1				
1	2010	Has secondary containment lest been submitted				-	-	~	+	-	+	\square		-	-
	2030	UST system is made of or final with materials that are compatible with the substance		+			+		-		+	+			
3	2060	stored	~							17					
3	1 2010	Has data been electronically submitted into CERS				V		1		1					
3	2 20300	Has the service technician obtained and maintained a current ICC certification		T	T	1			T	1		T			LE
3	3 20300	Has the service technician obtained and maintained a proper license	-	1	1	1		1		1	T				LIL.
34	4 20300	HA Has the service technician obtained and maintained a manufacturer certification	1	-	1	1		1		1	T	T			HEE.
3	5 20300	Bac Has the installer obtained and maintained a current ICC certification		1	1		1		~		1				IS
34	5 20300	Has the installer obtained and maintained a proper license	1	1	/		1		1		4				
3	7 20300	Has the Installer obtained and maintained a manufacturer certification		1			1		1		1				
-	20000	DESIGNATED OPERATOR	2							T				-	
38	8 20300	BB Has the designated operator obtained and maintained a current ICC certification			V	_	-	<u>(c.</u>	0	-		N			t
39	20300	1B Does the designated operator possess a current certification			V	_		C	2	+	_	N			
40	20100	Have they maintained a copy of monthly designated operator reports for 12 consecutive months			Ŷ			0	2			N	-	1	
41	20100	4B Have they maintained a list of trained employees			V			6	2	+		N	_	-	
42	20300	2A Has training been provided to facility employee(s) responsible for proper operation an maintenance every 12 months	ıd		V			C	0			14		1	
43	20300	Did they train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire			V			(0			N		1	
44	203001	Is there at least one employee present during operating hours that has been trained i the proper operation and maintenance of the UST system	n		V	_		1	0			N	-	-	
45	20300	 Has the designated operator notified the owner or operator of any condition discovery during the monthly visual inspection that may require follow-up actions 	ed		V			(0			h	4	-	
10	202001	Was the monthly alarm history report inspected by the designated operator	1		V				0		-	_	N	-	
90	203001	Was a copy of the alarm history report attached to the monthly designated operator			V				0				N		
17	203001	B report		-	V		+		\bigcirc		T		N.		
8	2030013	designated operator			V	_			6		T		N		
9	2030013	D Was the UDC inspected by the designated operator for the presence of liquid debits		-	N	_	-	-	0		+		N		
,	2030013	Was the UDC Inspected by the designated operator to ensure that monitoring equipment is placed in the proper position	e an	_	~		-	-	0		+				1
1	2030013	Did the designated operator inspect for liquid/debris in the containment sump when alarm occurred	- and		V	_	_	-		-	+		6)		1
2	0300130	Did the designated operator inspect the containment sump for liquid/debris for which there is no record of a service visit			-	-			C)	+		N		-
2	030013H	Has all testing and maintenance been completed and documented		_		-		-	0	-					
2	030001	Were leak detection alarm logs, maintenance and records of appropriate follow-up				V			Check	this t	ox is	follow	ing sec	tion is	NIA
		LINED TANKS				7	1				1		1		
		Was a proper written tank lining certification submitted		-	-	V	-	1		1º	1	+		+	T
20	30028A	Vias a proper time		-	-	7	+	17	\vdash	+	A	+	17	+	t
203	30028B	Man a warwum test performed following lining				1	+	17	\vdash	-	7	+	11	T	T
203	0028C	vas a vacuum test pertentiones expert and/or special inspector				-	-	1		+	H	+	17	T	+
03	0028D	bid they employ a proper country of proper total and over the standard of the	ears			~		1			1	1	Ľ		
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ENVIRONMENTAL PROGRAMS DIVISION

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ATTA

-File Num

		A	Inspection Number	Ita		-	_	_	-										
		2	Date11/17/2015	Own it	D	1	Own IC	D	2	Own ID	2	0	en ID	1	Own ID		1		
		PE ID	INCOL OTION INFO	Conte	F-C	45	Conte	9-C	AS	Conter	-CAS	Ca	ontents	0	Content	5			
		2060003	Were components inspected at the install site using an electrical resistance holiday detector and repaired if necessary (Lined Tank)	V	С	N	V	C	N	V	CI	N	V C	N	V	CN	4		
	/	2010002A	Have they maintained records of cathodic protection systems testing conducted within six months of installation and at least every three years thereafter			1			~ ~			-	-	1		+	-		
	62	2010002B	Have they maintained records for the 60 calendar day inspection of the impressed- current system			~			1			1	-	5		+	+		
	63	2010002C	Have they maintained records for sacrificial anodes testing every three years			1			0		-	+	-			+	4		
		-	SINGLE WALLED TANK MONITORING		-		-		0	Chee	ck this	box	is follo	wing	sectio	in is N			
	64	2010002D	Do they have written monitoring and maintenance records on-site or off-site at a readily available location if approved			5			((1(H
	65	2030004	Automatic tank gauge test the tank at least once per month at 0.1 gallons per hour			(17			t		11			1		III
	66	2030005	The 0.2 gallons per hour continuous in tank leak detection performed						1			11		11				1	BT.
	67	2030006A	Monthly 0.2 gallons per hour automatic tank gauging performed						It			1							IHS
	68	2030006B	Did the automatic tank gauge generate and print a hard copy of the monthly 0.2 gph lest			1			1			1						•	
1	59	2060004A	s UST corrosion protection installed			1			1)			1			1				
7	0	2060004B	Does field-installed cathodic protection meet the consensus standards			11			It			1			1				
7	1	2030009A V	Vas the impressed-current system inspected every 60 calendar days)			1			t		1	1				F
7	2	2030009C	Vas the impressed-current system inspected by a cathodic protection tester within six nonths of installation and at least every three years thereafter			5			1	1		T		1	1			*	
7:	3 2	030009D V	/ere the sacrificial anodes checked by a cathodic protection tester once every three ears in accordance with the manufacturer's instructions			5			1			1		1	1	T	Π		
74	1	2030015 Fa	acility exhibited that the method used to monitor the tank meets the monitoring ethods in 2643(f)			1		T				5		1		T	Π		
75	2	030056 W	as an annual SIR report submitted			1						1		(5				
76	2	030030 We	eekly manual tank gauging performed in accordance to the required specifications						1						5	T			
77	20	30057A Did	they notify of a possible release within 24 hours											6.8	11	T	T	1	
78	203	30057B Wa	s a copy of the release report submitted within 10 days			11	T		11			Ħ			5	T	T	1	
9	203	0057C We	re records inspected for errors and the UST system physically inspected within 24 rs			T	T	T	1			11			8	T	T	1	
	2030	0057D Wer	e meters recalibrated within 48 hours of receipt of report			11	T	T	1		1	11	1		1	1	+	1	
1	2030	058A Wer	e measurements taken daily (SIR)			11									17		1		
2	030	058B Was	monthly inventory calculated(SIR)			11	T								11		1		
20	0300	58C Is the	system capable of detecting a 0.2 aph release(SIR)		1	Ħ	+	+			+	T		1	11				
20	300	58D Was	a tank integrity test conducted every two years(SIR)		+	++		+	+		+	+	\mathbf{H}	+	11			-	
20	500	Mac	using that conducted within 15 days of maniet of this succession OID smade	+	+	++	+	+	-	\mathbf{H}	+	+	+	+	++			-	
20	300	58E which	were inconclusive or which indicated a possible release(SIR)					1		1	_		1		1	1			
203	005	SF Were d	dispenser meters calibrated annually(SIR)													1			
206	000	Automa function	atic tank gauging/continuous in tank leak detection system installed/properly ning													9	T		
			DOUBLE WALLED PRE 2003 TANKS							6	Chec	k th	is box	is fo	lion	ig sa	then	S NIA	
060	000	Was sys	stem constructed with a monitoring system capable of detecting entry into iny containment		V	1			1			1			1			1	
		-	TANKS 2003 - PRESENT				-JL			D	Che	ck ti	nis bo	x is f	ollow	ng si	ection	ISNI	3
300	65	Is the inte condition before the released i	erstitial space maintained under constant vacuum, pressure, or hydrostatic s, such that a breach in the primary or secondary containment is detected e liquid or vapor phase of the hazardous substance stored in the UST tank is into the environment? (VPH - 7/2004.)				1			1			1			1			
000	8	Was enha	nced leak detection testing performed before the tank was placed in use				V			1			1	1		1		1	1

UST Inspection Report updated 03/16/15

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		COUNTY OF LOS ANGELES DEPAR "To Enrich Lives Through Effect	TTME tive (NT O	F PUI	BLIC N		8									
		EAR File Humber 009897 - 058971-68	10.41	te na	11010							mm.C	Vestil.	h.com			
	B	Data 11/17/2015	Comi 10	- 1	0	on Kr	-	(Om D		Vie	-	- 17	_				
	THE IL	IHODIC YOU WANT	Corto	1 7.1.0	10	organita	2	Contage	3	0.0	Nerte	4	Interio	_			
	F	Is the UST system installed on or after July 1, 2003 and before July 1, 2004	N	C	RT N	vic	N	1VI	c	d'	DIE	INS	VI	CIN	-		
	2060022/	the hazardous substance stored in the primary containment into the secondary containment (Including Vent/Vapor Piping)			1		-			1		~			4 - 4		
92	2060022B	Is the UST system installed on or after July 1, 2003 and before July 1, 2004, and capable of detecting water intrusion into the secondary containment (Including Vent/Vapor Piping)			1		-			1	T	1		1			
93	2060023	Is the UST system installed on or after July 1, 2004, and designed and constructed so as to detect the entry of the liquid or vapor-phase of the hazardous substance stored in the primary containment into the secondary containment and capable of detecting water intrusion into the secondary containment (VPH)			1					1		-			1		
94	2060020A	Are spill buckets installed	-		-			-		-			-		1		
95	2060020B	Does the spill bucket/container have a functional drain valve or other liquid removal method	-	1	+		1	+	1	-		1	+		1	50)	
96	20600200	Is the spill bucket resistant to galvanic corrosion	-	1	-		+	-		_	-	+	+	++	-		
97	2030054A	Are the spill buckets in good condition	t	1			1	+	17		+	1	+	++	+	117.	
98	2030054B	Are the spill buckets free of debris/liquid	t	1			1	+	1			1	+	1	-		
99	2060019	Do spill buckets have a minimum capacity of five gallons		1			1	T	1			1	T				
00	2030035	OVERSILL PROTECTION Was the UST system operated to prevent spills and/or overfills	T	1			1	T	1	1		1	T		P	-	
01 2	030036A	Overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 60 percent full by restricting the flow into the tank or triggering an audible and visual alarm (Ball float) resternal alarm at 90%); or		1			1	T	-	1	T	1	1			- 4	
20	30036B	. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, rovided the restriction occurs when the tank is filled to no more than 95 percent of apacity; and activate an audible alarm at least five minutes before the tank overfills Ball float and external alarm); or			1			1		1	1						
203	3. 0036C 3.	Provide positive shut-off of flow to the tank when the tank is filled to no more than 9 prcent of capacity (Flapper at 95%); or	5	V	1		1		1	1	1	~	1		1	1	
203	0036D 4.1	Provide positive shut-off of flow to the tank so that none of the fittings located on the of the tank are exposed to product due to overfilling (Flapper below tank top fitting	e))		1	1		1			1		1	1		1	
		SUMPS	-			-				~			1			4	
030	oosc Are	the sumps in good condition	+		1	+	1	A		V		1	1	+	++	H	
0300	Are D800	the sumps free of debris/liquid	+	+	A	+	+	+		1		4	1	+	+	H	
300	08E is the	e secondary containment in good condition	+	-	1	+	ť	1	+	1	4		1	+	+	H	
300	08F is the	secondary containment free of debris/liquid	+	-	4	+	+	1	+	ľ	1		1	+	+	+	
300	60 Is ent	ry fitting maintained such that it properly seals to the containment			1	+	+	1	1	1	1	+	1	+	+	+	
3004	lo lis the a leak	secondarily contained piping allowed to drain back into the sump in the event of	of		1	1	1	1	1	1	1	+	1		1	+	
016	c Are the	e sumps continuously monitored such that the leak detection activates an e/visual alarm when a leak is detected			1	-	-	1	+	+	1	+	1	1	H	+	
062	Is leak at the e	detection equipment set up such that the monitoring system would detect a le arliest opportunity and/or alert the owner/operator of a leak	ak		1			1	+	+	1	+	+	1	H	-	
015	Are the	sensors located in the proper position/location			1			/			1	_	_	-			
-	-	LINE LEAK DETECTOR			1			1			1			1	T		
12	Does the	e pressurized piping system have a line leak detector installed a leak detector certified to detect a 3gph leak and restrict or shutoff the flow	of		1			1			1			1	T	T	T
6A	product th	arough the piping when a leak is detected								_	1		-				

		COUNTY OF LOS ANG. "To Enrich Lives Th	LES DE	PARTM	ENT O	F PUBLIC	WORK				
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	4	11/13/2015	Gunity	1	(Simility	2 (71)	(R)	Com II	AP	ui. Er	1
		INSPECTION IVEN	Conductor de	1000	Cantanta 13 A	4.45 53	educida (. fr.	Crains		indarka	
	106001	is the leak detection equipment correct for the type of system	IVE	5 H	VI.	STH13	101	11 1 1	6141	41010	4
	A	PIPING		V	1		1		4		
	2030027	Does the pump shut down when a leak is detected or when line leak detector is	d Fiping	-	T	1 197	Sheep & H	is logitis	allanihres (exsten is fi	Z -
	10 200000	Was it demonstrated that excellence		1		1		1	1		1-
	10 2060015	fuel is constructed of glass fiber reinforced plastic, cathodically protected steel, or ste clad with glass reinforced plastic	le of	1		1		~	1	T	25
11	9 2030052	Was pressurized pipe containing motor vehicls fuel monitored at least hourly at any pressure and a 0.2 gph monthly line integrity test or 0.1 gph annual line integrity test performed		-	T	1		1	1		
120	2060017	is an automatic line leak detector installed which is capable of shutting off the pump when a release occurs, fails, or is disconnected (Single Walked)		1		1		1	1		
121	2030026B	Does the electronic leak detection equipment successfully frigger an audible/visual alarm (Emergency Generator for SW Pressurized Piping)		V		1		11	17		-
122	2030049	Was daily monitoring conducted for air in the pipe and were the results logged	T	1	1	1	and	1	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
123	2030050	Was a 0.1 gph piping integrity test conducted every three years	1	1	1	1		1	11	11	
-	005555	Singlewalled Gravity Pipir	9		-	P	Check	this box	is tollow	13 section is	AUA
124	2030051	Was a 0.1 gph piping integrity test or overfill integrity test conducted every two yrs.		V	1	1	Charle	China by a	Se College	n spraine	1 44/6
125	2030053A	Does piping drain back into UST if the suction is released			1	1		1	TT	A	T
128	20300538	Does nining have a check value on the nining located directly below the surflion pur	0		1	1	1	11	11	1	T
	2030038	Double Matter Cate Conventional On	vity Pini	00	1		Chac	k this ho	y is follow	And werding	15 34/A
127	2060006	Does secondary containment piping slope back to the collection sump			1	T	T	11		-	T
C		Double Wallisd Pressurized P	ping				Cher	k this to	x is follow	ing section	T is No/A
28	2030042A	Was an annual line integrity test performed for pressurized pipe that does not utilize fail safe or shut down			1	11		1		1	
29 2	20300428	Was a passing result achieved on the annual line integrity test for pressurized pipe loes not utilize fail safe or shut down	hat		1	1		1		1	
2	030016B	s the piping continuously monitored such that the leak detection activates an udible/visual alarm when a leak is detected	-	1	+	1		1	11	11	\square
1 2	030017 P	roduct piping outside the UDC is fail-safe and shuts down the pump or restricts fix	***	Í		11			11	11	11
20	030018 sy wh	the double wall pressurized piping in the turbine sump continuously monitored wi stem that activates an audible and visual alarm or restricts or stops flow at dispe en a leak is detected	th a iser			1		1		1	
203	0025A Is I	he pressurized piping able to monitor at least hourly with the ability to detect of ease of 3.0 gph or trigger an audible/visual alarm		1		1		1		11	11
2030	DO25B DO	es the pressurized piping restrict product flow through the piping when a release urs		1		/		1		1	++
2030	025C Doe	s the pressurized piping trigger an alarm when a release occurs		1/		1		Chinese	This how	stolowing	section is
2030	020 Unb	Other Piping uried fuel piping (connected to an emergency tank system) visually inspected monthly and log kept	at	T	1		1		1	1	
300	20X Syste	d fuel piping connected to an emergency generator tank systems, the monitor m checked at least daily by either remote electronic access or visually inspect to kept onsite	ring ted		1		1		1	ľ	
-	Contra ac	UDC									
000	a Are th	e UDCs in good condition		YE	s,	6 6A	IS VE	163 1	DIE	a vac	
	in the un	UDCs free of dobrie/liquid	1	YES	(ALL	SHA	LLOW,	META	BRAN	BONE
And in case of the local division of the loc	BB Are the	to success the UDCs activates an audible and visual alarm or stops the	flow	100							
3000	Monito	ing system in the objes activates an easible and the object activates an easible and the object activates and easible activates activates and easible activates and easible activates activates activates and easible activates activates activates activates activates and easible activates acti		YES							

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			A	INPOCTION NUMBER 11/17/2015	wh lO	1	10,	m ID	2	Own I	5	3 10	m ID.	4	Court R	2	7		
			2	DateINSPECTION ITEM	B	7-61	1 0	99-	645	Cont	ents - C # 3	5 0		SEL	Contr	ents			
		1	PED	UST	V	C	N	V	CIN		C	N	V	CI	V	I C I	N		
		1/201	30043	Has the leak detection equipment been properly programmed and properly operated		1			1	1.				V	T			_	
		2030	0016A	Is the interstitial space of the tank continuously monitored such that the leak detection activates an audible/visual alarm when a leak is detected		1	1		1	1	1			1	T	1		-	
	/	2030	0034	Was a tag/sticker properly affixed to the monitoring equipment being certified, repaired, or replaced		1	1		1	T	1			1	1		Π	-	
A		44 2030	0003	Leak detection system maintains continuous audible and visual alarm		1			1		1			1				7 Tit	le 12
	14	5 2030	044	ENFORCEMENT Did the owner/operator deposit or allow the deposit of petroleum into a UST that has a red tag affixed to the fill pipe			1			1	T	1			1			-	
	146	20300	045	Has the Red Tag been removed, defaced, altered, or otherwise tampered with so that the information on the tag is not legible			1			1		1			1			-	
	147	20300	063	Were temporary closure requirements complied with			1			1		1		-	1	1	+	1	
	148	20300	038	Were permanent closure requirements complied with			1			1	-	1	1	+	1	+	+	1 7	Taga
	149	20300	061	Was a suspected or actual unauthorized release recorded and/or reported in an appropriate time frame			1		1	1		1	1	-	1'		-		
	150	20100	006	Owner/Operator has not made false statements or representation on any required document		1			1			1	1	1	1	1			PERMI
4	151	20300	039	Did they comply with all of the operating permit conditions	1	-	Y	-	_			O		1	-	14	-		_
				MAIN TENANUE	T	-	Τ.	T	T	1			1			1			16
1	152	20300	059	UST system maintained in accordance with exclusion each poor settles		-	-		-	-	1				X	T			<u>E</u>
1	53	20300)47	Secondary containment maintained tight and has been confirmed by testing	+	+	4	+	-	1	+	-			1	+	+	H	ATOR
1	54	20600	001	Were as-built plans submitted for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application	-	+	1	+	-	1	F	1	-	F		+	+	+	-
1	55	20600	010	Does the UST storing a hazardous substance have secondary containment (non mv	0	+	+	-	+	+	+	+	+	1	1	1	1	T	UF
1	56	20600	007	Was non-integral secondary containment designed and constructed to an engineerin specification approved by a registered professional engineer or in accordance with a nationally recognized industry core or engineering standard	9			~		-	1	1	1	1	1	1	4	+	RE ED.
15	7	206000	09	Nas a permit obtained to install, replace, repair, or modify part of the UST system	ir		1			1	1	V	1	+	1	1			
15	8	206002	21 15	s a striker plate installed & positioned correctly under any opening that could be use or manual diosticking or do they have a drop-tube mounted bottom protector	d		1			1		+	-	1	+	+	+	++	1 3
159		201000	5 10	/ere enhanced leak detection testing results submitted to the board and the local				1	1		1		1	1	+	1	+	++	-
	H			the secondary containment free of liquid and debris after January 1, 1984			1	1	1	1			V		1	+	+	++	-
60	2	03006	Th	e primary containment maintained product-tight for a tank installed after January	ρ1,		1			ľ			r		1		+	++	-
52	20	30071	Ma	a tank installed after July 1, 2004	uct			-	1		V	1	1	1.	1		1	-	H
3	203	30072	Ma	intain the primary containment as product-tight and compatible with stored prod	uct		1		V	-	1'	1	1	1	1	+	11	-	H
F	202	0073	Con	rective items noted by on an inspection report have been returned to complian	ce	-	1	A	+	+	1	+	+	A	+	t	1	H	+
F	205	0025	Sec	ondary Containment free of liquid/debris for tank installed after January 1, 198	34	+	-	1	-	+	1	+	+	1	+	1	1	T	T
2	060	026	Prim	ary containment is product tight for tank installed after January 1, 1984	ton	K	+	-	-	-	+	1			1	T	T		
20	060	027	Main	tain primary containment as product-tight and compatible with the stored for lied after July 1, 2004	Idil		-		1			-			1	-	1	1	H
20	600	28 F	Prima	ary containment as product-tight and compatible with stored product for tank led after July 1, 2003 and before July 1, 2004					ľ					L	L			_	11
		10																	

		State of the State of the State	1	Chin ID 2	Cum 10 3	Own 10 4	Own ID
1	INSPECTION ITEM		87-6AS	Contents 39-645	Contents 91-643	Contents	Contents
1	Monitoring System Ma	anufacturer's Name and Model #	VCN	VCN	VCN	VCN	VCN
		Product Piping Manufacturing	"Et De	R ROOM	r 725	-350	
		Line Leak Detector Mortel #	HM	ERON		DW or	SW (circle one
	VEEDER ROOT	Fill Sump Sensor Model #	202000	102000	FXIV	102000	-
	VEEDER ROOT	Pipino Sumo Sensor Model #	205	205	205	205	
		Other Sump Censor Model #	205	205	205	205	
	VERDER ROV AND	das Casso Comp Sensor Model #	NIA	NIA	NIA	NIA	
	P COLOR Part Anna	COMMENTS	420	420	420	420	
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In Environ	Inum Aarem (CEK3)	Underground Storage Tank - Monitoring Plan
AN STATE ENTERPRISES 257	238	(1805-10) 147185/165 (991-7 anto 18
Monitoring is Performed Using t	the Following Method(s) lary Containment	TRANSPORT DE LA COMPANY
Ves Leak Alerm Triggers Automatic Pump Sh Ves Fellura/Discennect Triggers Pump Stude	Panal Manufacturer VEEDER ROOT Panal Model # TL\$350 undown Jown	Lank Samor Manufacturar VEEDER 10991 Lank Sansor Modal II 794389-299
Yes Machanical Line Leak Detector Partonn MLD Manufacturer VARCHILESS- VEEDER ROOT	A 3 GPH Look Test	ACED with VEEDER ROOT
Electronic Line Lesk Detector Performs	3 GPH Lank Tool	FXIV
LLD Manufacturar	ELLO Programmed In-Line Testing	ELLER Triggers kutomette Pump Sneddown
10 Model		ELLO Fallura/Disconnect Friggers Automatic Shutdow
Pipeline Integrity Testing	Viscal 4	Pipeline Mantaring
patine Integrity Testing Frequency	Visual Pipslins	Monitoring Frequency
Suction Piping Meets Exemption Orieri		
No Regulated Piping Per Health and Sal	ety Lode, Division 20, Chapter 6.7 is Connected To The Tank 5	System
Other Pipeline Monitoring		
nder Dispenser Containment (UDC)	Monitoring	
	Detection of Leak Into UDC Triggers	Auditale and Visual Marrins
C Monitoring		
C Monitoring at and Chain Assembly	UBC Lask Alarm Triggers Ketematte	e Pump Shutdown
C Monitoring at and Chain Assembly C Panel Manufacturer	UDC Leak Alarm Triggers Automatic Failure/Disconnection of UDC Mon	e Pump Shutdown itoring System Triggers Autometic Pump Shutdown
C Monitoring at and Chain Assembly C Panel Manufacturer Hanel Model H	UDC Lesk Alarm Triggers Automatic Enlines/Disconnection of UDC Mon UDC Monitoring Stops Flow of Fre	e Pump Shutdovm itoring System Triggers Autometic Pump Shutdovm duct et Dispenser
C Monitoring at and Chain Assembly C Panel Manufacturer C Panel Model II Lank Sensor Manufacturer	UDC Look Alarm Triggers Automatic Failure/Uniconnection of UDC Mon UDC Monitoring Stops Flow of From Ves	c Pump Shutdown Moring System Triggers Autometic Pump Shutdown duct et Dispenser
iC Monitoring nat and Chain Assembly C Panel Menufacturer C Panel Model II Leak Sensor Manufacturer Leak Sensor Model	UDC Lesk Alarm Triggers Automatic Failure/Disconnection of UDC Mon UDC Monitoring Stops Now of Prot Ves UDC Construction Single-Walled UDC Secondary Containment Mon	e Pump Shutdown ntoring System Triggers kutometic Pump Shutdown duct et Dispenser ntoring

ELD Testing Yes Secondary Comminment Testing Yes Symbocket Testing

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ents Company:	No: 15223		
Licence Datailas	California Maintenance & Environn	nental	
Nobif. Decense octails.	S33711 Exp: 03/31/2016 Status GENERAL ENGINEERING CONTRAC	Current and Active Click to Verify	
rt Event Date/Time:	11/17/2016 - In In		
		AM V	
	Weekends and County Holidays must be exclud	ted.	
Comment Texts			
Primary Technician:	Name:	Phone: Email:	
bsite	ICC TECH #:	Expires:	
	5254964	07/27/2017	
Test Details:	No. Test Type	Manufacturer	alata
B	1 Monitoring System Cert.	Red lacket	Delete
	3 Spill Bucket	Other I	Delete
am			
	Select Test Type V	Select Manufacturer V	Add
	And the stands		
Location:	Do not include W, E, S, N, STR, AVE, B unless it is a part of the street name it	self (i.e. AVE K, 10th ST EAST)	
	Street Number: Stre	et Name:	
	OR OR	Search	
Company:	GOLDEN STATE ENTRPRS #2	57238 View Map	
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Address: City: Area Office:	COVINA SAN GABRIEL VALLEY Area: 6B	State: CA Zip: 917242414 File No: 058971 Site No: 000	9897
Address: City: Area Office: Assigned To:	GO1 N COVINA SAN GABRIEL VALLEY Area: 6B Jesse Vazquez	State: CA Zip: 917242414 File No: 058971 Site No: 000 Inspection Required: Yes N	9897
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HMS INSPECTION DISPLAY/UPDATE OPER: E276573 HQ OF WOLA (A) DD (C) HANGE (D) ELETE (B) ROWSE A(S) SC # BROWSE 11/20/15 16:14:48 790: (A) DD (B) ROWSE A(S) SC # BROWSE 609897 058971 NAME: GOLDEN STATE ENTRPRS #257238 SEC? N STAT: PERM FR: DR: N NAME: GRAND SE: AVE UN: 27-0

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INFO: CTLS_PRENOT:11/17/15_@10:00AM;_CONTRACTOR:CA_MAINT,_JOSE_RODRIGUEZ_

RESULTS: NOVC:_SECONDARY_PIPE_DRIP_INTO_THE_DIESEL_PIPE_SUMP;91-UST_LLD_REPLA CED_W/O_PERMIT(VAPORLESS_LD2000_FOR_V/R_FX1V)-CERS_CORR-MONIT._PLAN_ # OF VIOLS FOUND: \$3 COMPLY DT:

ASSIGN DT: 103015 DUE DT: 112915 ASSIGN TO: 47913_ JJV_ START DT: COMP DT: 111715 COMP BY: 47913_ JJV_ DMS LINK: HTTP://PWIIS01/SPDMS/HMS.ASPX?DOCNO=000817089&DOCTYPE=INSP LAST TRAN/DATE/OPER: INSP 112015 E276573 UPDATE COMPLETED - VERIFY PERMIT LAST INSPECTION DATE
i .	
COUNTY OF LOS ANGELES DEPAR	ITMENT OF PUBLIC WORKS
To Enrich Lives Through Effect	tive And Caring Service" www.CleanLA.com
PUBLIC WORKS ENVIRONMENTAL PROC	GRAMS DIVISION
NOTICE NOTICE OF NONCOMPLIA	NCE NOTICE OF VIOLATION ORDER TO COMPLY
Date11/17/2015	Permit 790566
Owner/Operator MS. LISA THOMPSON COMPLIANCE	Site/File_007897-058971-6B
Site Name GOLDEN STATE ENTERPRISES # 257238	Violation # 818 4446
Site Address 601 N. GRAND AVE	City, Zip <u>COVINA, CA 91724</u>
Maining Address	City, Zip
[4 You are hereby directed to correct the following violation(s) of: [YLos Angeles County Code (LACC) Title 11; [] LACC Title 12
Title 20 and/or conditions and limitations of Stormwater Certificate No.	osal Permit No.
[] City of Municipal Co	bde/Ordinance
Violation No(s). V) issued on
Violations/Instructions:	a second and a second second
D LINE LEAK DETECTOR FOR (TANK #	3: 91-UST) WAS REPLACED
SOMETIME BETWEEN 11/19/2014 (PRE	1001 INSPECTION) AND 11/17/2015 (CURREN INSP)
WITHOUT A PERMIT : VAPORLESS L	DZOOD WAS REPLACED WITH A
VEEDER ROOT FXIV. A PERMIT IS	REQUIRED AND WORK WAS DONE WITHOUT PERMIT.
PREASE APPLY FOR PERMIT AND UPDATE	CERS TO REPORT THE CHANCE
	- Di Dia suga is DRAINING
(2) THE SECONDARY PIPE AT TH	TE DIESEL FIFE SUMP IS DRINNING
DROPS OF DIESEL INTO THE SUMI	E EVERY 2-5 MINUTES, TOUTING
REQUIRED TO DETERMINE THE SOU	JECE OF THE LEAK, ANT ENTENNING
WORK REQUIRED TO FIND THE SOUR	LE OF THE LEAK WILL REQUIRE TO GET
PERMIT (INVESTIGATION) . PLEASE CALL	OUR HO OFFICE IN ACHAFIDER TO CCT
GET THE DETAILS OF THE SUBMITTAL (PEES / POANS / PORMS) . ONCE THE SCOLLED
THE LEAK HAS BEEN DETERMINED A	REDUIRD.
[] Telephone the office shown below for a return inspection.	1-1-1-15
YOU ARE FURTHER DIRECTED to have the above violations corre	ected by
otherwise directed above.	
If you have any questions regarding this matter, please contact	MR. JESSE VAZQUEZ Monday through
Friday 8 a m to 9:30 a.m. at (626) 574-0962	, FAX (626) 821-1471
(11da), o anni to oteo anni 1	-0
(cCP	Return requested items to the office below:
501	31,2010
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0 7/ EKRERE ON	COUNTY OF LUS ANGELES
instal Din DAAR MARKING INSVELIDE	DEPARTIVIENT OF FUDLIG WORKS
Inspecied by. Yest of Consture	ENVIRONMENTAL PROGRAMS DIVISION
Inspected by	ENVIRONMENTAL PROGRAMS DIVISION
Inspected BySignature	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652
Receipt of a copy of this notice acknowledged by:	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652
Receipt of a copy of this notice acknowledged by:	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652 Title: COMPLIANCE MANAGER
Print Name: MS LISA THOMPSON	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652 Title: COMPLIANCE MANAGER
Inspected By. Signature Receipt of a copy of this notice acknowledged by: Print Name: MS Lisa THOMPSON Signature: NOTICE	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652 Title: COMPLIANCE MANAGER Date: 11/17/2015
Inspected By. Signature Receipt of a copy of this notice acknowledged by: Print Name: MS. Lisa THOMPSON Signature: NOTICE FMAILED TB MOMPSON 11/20/2015	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA GA 91007-2652 Title: COMPLIANCE MANAGER Date: 11/17/2015
Receipt of a copy of this notice acknowledged by: Print Name: MS LISA THOMPSON Signature: NOTICE EMAILED TO MS. THOMPSON ON 11/20/2015 OFFICE	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652 Title: COMPLIANCE MANACER Date: 11/17/2015 ECOPY
Inspected By. Signature Receipt of a copy of this notice acknowledged by: Print Name: MS Lisa THOMPSON Signature: NOTICE FMAILED TB MOMPSON 11/20/2015 OFFICE	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652 Title: COMPLIANCE MANAGER Date: 11/17/2015 ECOPY
Inspected By. Signature Receipt of a copy of this notice acknowledged by: Print Name: MS Lisa THOMPSON Signature: NOTICE FMAILED TD MS THOMPSON NI/20/2015 OFFICE	ENVIRONMENTAL PROGRAMS DIVISION 125 S BALDWIN AVE ARCADIA CA 91007-2652 Title: COMPLIANCE MANAGER Date: 11/17/2015 ECOPY

and Caring Service* -uns. 900 SOUTH FREMONIE G: VIOL HMS VIOLATION DISPLAY/UPDATE G: PWC180 OPER: E276573 11/20/15 16:25:02 ACTION: B (A) DD (C) HANGE (D) ELETE (B) ROWSE A(S) SC # BROWSE FILE #: 009897 058971 NAME: GOLDEN STATE ENTRPRS #257238 SEC? N STAT: PERM STREET #: 601 FR: DR: N NAME: GRAND VIOL #: V 000818446 VIOL TYPE: T NOVC VIOL DT: 112015 VIOL DISP: SF: AVE UN: ZIP: 91724 2414 AREA: 6B TEL: 626 331 5062 ASSC #: I 000817089 ASSC # TYPE: T SCHI ASSC # DT: 103015 ASSC # DISP: FOL2 RDS VIOL: IOL INFO: DRIP_FROM_SECONDARY_PIPING_INTO_THE_DIESEL_PIPE_SUMP;_VAPORLESS____ REG BOARD CASE #: LLD_WAS_REPLACED_WITH_VEEDER_ROOT_FX1V_WITHOUT_PERMIT.CER_CORRECTION REQ ACT: DETERMINE_THE_SOURCE_OF_THE_LEAK; INVESTIGATION_PERMIT_WILL_BE_REQ'D IF_THERE_EXPLORATORY_WORK; APPLY_FOR_LLD_REPLACEMENT; UPDATE_CERS____ RESULTS: SIGN DT: 111715 DUE DT: 120415 ASSIGN TO: 47913_ JJV____ TART DT: COMP DT: COMP BY: S LINK: HTTP://PWIIS01/SPDMS/HMS.ASPX?DOCNO=000818446&DOCTYPE=VIOL

ICE TO 2-1460

LAST TRAN/DATE/OPER: VIOL 112015 E276573 ESS F5 TO UPDATE BEFORE NAVIGATING TO VIO2 SCREEN



MARK PESTRELLA, Acting Director

DELAKIMENT ST TUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 http://dpw.lacounty.gov

ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

009897 - 058971

EP-1

IN REPLY PLEASE REFER TO FILE:



January 5, 2017

Ms. Lisa Thompson Golden State Enterprises 29501 Canwood Street, Suite 200 Agoura Hills, CA 91301-1571

Dear Ms. Thompson:

HAZARDOUS SUBSTANCES UNDERGROUND STORAGE CLOSURE REPORT MODIFICATION APPLICATION NO. 829680 FACILITY LOCATED AT 601 NORTH GRAND AVENUE, COVINA (6B)

This office reviewed the Soil Sampling Results Related to UDC Replacement Report dated October 13, 2016, for the subject facility.

Pursuant to the California Health and Safety Code, Division 20, Chapter 6.7, Section 25297(b), we are referring this matter to the California Regional Water Quality Control Board (CRWQCB). For further information regarding the CRWQCB's requirements, please contact Mr. Yue Rong at 320 West 4th Street, Suite 200, Los Angeles, CA 90013-2343, (213) 576-6710. Any future requirements are subject to the direction and approval of the CRWQCB.

Please submit all future correspondences to the CRWQCB with a copy sent to this office.

OBLIC WORKS

GELES

Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 http://dpw.lacounty.gov

January 5, 2017

SCANNED JAN 10 2017 By Ust ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

> IN REPLY PLEASE REFER TO FILE: EP-1 009897-058971

Mr. Yue Rong California Regional Water Quality Control Board 320 West 4th Street, Suite 200 Los Angeles, CA 90013-2343

102:95V (929) 18 501108 0

Dear Mr. Rong:

HAZARDOUS SUBSTANCES UNDERGROUND STORAGE CLOSURE REPORT MODIFICATION APPLICATION NO. 829680 FACILITY LOCATED AT 601 NORTH GRAND AVENUE, COVINA (6B)

This office reviewed the Soil Sampling Results Related to UDC Replacement Report dated October 13, 2016, for the subject facility.

Pursuant to the California Health and Safety Code, Division 20, Chapter 6.7, Section 25297(b), we are referring this matter to your agency for further action. We request that all future correspondence regarding this matter be sent to your office with a copy sent to this office.

If you have any questions, please contact Ms. Kattya Batres at (626) 458-3526, Monday through Thursday, 7 a.m. to 5:30 p.m.

Very truly yours,

MARK PESTRELLA Acting Director of Public Works

TIM SMITH Senior Civil Engineer Environmental Programs Division

KBR:ak P:\Sec\Rong C849529 NE

ALTA EM, INC.

October 13, 2016

County of Los Angeles Department of Public Works 125 South Baldwin Ave. Arcadia, CA 91007-2652

Attn: Mr. John Nelson

SOIL SAMPLING RESULTS RELATED TO UDC REPLACEMENT

SCANNED JAN 1 0 2017

SUBJECT: 601 N. Grand Avenue Covina, California 91722 Permit Application: A829680

This brief report summarizes the efforts and results of soil sampling beneath a replaced fuel dispenser UDC at a commercial gas station in Covina, California. Soil sampling was required by Los Angeles County Department of Public Works (LACDPW) Permit #A829680, and completed in accordance with your guidelines.

The replacement of the UDC was completed by A&J Environmental Services Inc. of Riverside, California (contractor). Soil sampling was completed by ALTA EM, Inc. (environmental consultant).

The general area of the work is shown on attached Photo nos. 1 & 2.

Soil Sampling Methods & Locations

Soil sampling was completed under the direct supervision of Inspector John Nelson of the LACDPW.

The bottom of the old, removed UDC was approximately one foot below ground surface (bgs). The bottom of the newly installed UDC is approximately two feet bgs. Soil samples were collected both on the west side of the UDC, and on the east side of UDC (below piping), each at approximately 4.0 feet bgs. Attached Photo nos. 3 & 4 show the soil sampling locations relative to the UDC and associated piping.

Each sample was collected after clearing away loose pea gravel, and then hand augering into what appeared to be native soil. Samples were retained using kits in general compliance with EPA Method no. 5035.

The locations of the subject soil samples, and associated UDC, are shown on attached Figure 1.

Field Observations / Nearby Wells & Groundwater Depth

During the soil sampling, olfactory and visual observations, as well as soil types, were recorded and are summarized in the table below:

Proj. No.: 16697-01

1 of 3

A 829680

AEM

SAMOLE	1	FIELD	OBSERVATIONS		
NO.	SAMPLE DEPTH BELOW GRADE	ODOR	DISCOLORATION		
UDC1-4.0 4.0 feet		Slight diagal adar		SOIL TYPE	
P1-4.0	40.600	Moderate to Strang	Grey-Brown	CLAY Grey-brown, wet to saturated, sandy silty	
114.0	4.0 feet	Diesel Odor	No Discoloration	Dark brown moist sands Oll T	

It is noted that significant water saturation was noted beneath the UDC at a depth of approximately 3.5 feet bgs, indicating a possible nearby broken water line or accumulation of nearby irrigation water.

A review of the LACDPW database of groundwater wells revealed <u>no</u> active listed wells within an approximate mile of the subject site (LACDPW, 2016). In addition, based on a review of data from nearby leaking UST investigations, the depth to first groundwater is expected to be greater than 125 feet (Geotracker, 2016).

Analytical Methods / Results

Both soil samples were analyzed for TPH (C_{11} - C_{22}), BTEX and Fuel Oxygenates. Analyses were completed in general accordance with modified EPA method no. 8015 (for TPH diesel), and EPA method no. 5035/8260B (for BTEX & Fuel Oxygenates). Attached in **Appendix A** is a copy of the LACDPW permit with soil sampling/analytical requirements.

The following table summarizes the results of the soil sample analyses:

SAMPLE NO.	SAMPLE DEPTH BELOW GRADE	TPH (C ₁₁ -C ₂₂) (diesel)	BTEX	FUEL OXYGENATES
UDC1-4.0	4.0 feet	ND<40	ALL ND	ALL ND
P1-4.0	4.0 feet	12,100	ALL ND<5	ALL ND<25
PQLs	N/A	10	0.005 - 0.010	0.005 - 0.05

In summary, significant TPH (C_{11} - C_{22}) was reported in one of the soil samples (P1-4.0); however, no <u>BTEX or Fuel Oxygenates were reported</u>. Detection limits for BTEX and Fuel Oxygenates were somewhat increased by the presence of the detected diesel fuel.

A laboratory report detailing the results of the soil analyses is provided in attached Appendix B.

Conclusions & Recommendation

Field observations and soil analytical results indicate evidence of a diesel fuel release near the eastern side of the UDC. It is noted that groundwater is expected to be greater than 125 feet bgs, and no known active supply wells are listed in the LACDPW well database within approximately one mile of the site.

The opportunity to be of service is greatly appreciated. If you have any questions or comments, please do not hesitate to contact the office at (909) 476-2120.

Very Truly Yours, ALTA EM, INC.

ROBERT B. HANSEN Project Environmental Geologist California P.G. #5839

cc: File No.: 16697-01

LACDPW (Los Angeles County Department of Public Works), 2016, database of groundwater wells, , http://dpw.lacounty.gov/general/wells/, viewed on October 13, 2016.

Geotracker, 2016, http://geotracker.waterboards.ca.gov/, viewed on October 13, 2016.



ADDENDUM

HOUSP NO. P. 749334



Photo 1: (looking east) Fuel dispensers and cashiers building in foreground at right. Area of UDC replacement & soil sampling in background center (area inside traffic delineators).



hoto 2: (looking east). Replaced UDC. Removed old UDC is in far background.



Photo 3: (looking north) Location of soil sample UDC1-4.0 along west side of UDC (shovel denotes location at which hand augering/sampling was completed).



Photo 4: (looking north) Location of sample P1-4.0 along east side of UDC (shovel denotes location at which hand augering /sampling was completed).

0.10: 0-10007 21, 201

Mr. Aba Condy A S Environmentel Services 9085 Massian Block, 641-02895 Riversides Sch 39503 7.119281592-80305 Cartonal 591-

APPENDIX B

LABORATORY REPORT

DEAL MEY COMPTY

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Enviro – Chem, Inc. 1²¹⁴ E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: A & J ENVIRONMENTAL SERVICES 9085 MISSION BLVD., #A1-PMB85, RIVERSIDE, CA 92509 TEL(909)597-9702 FAX(909)597-9707

PROJECT: A&J Covina

MATTRIVISOIT	DATE RECEIVED: 10/06/16
CAMPLING DAME 10 (05 (05	DATE EXTRACTED:10/06/16
SAMPLING DATE: 10/06/16	DATE ANALYZED: 10/06/16
REPORT TO: MR. ASA COSBY	DATE REPORTED: 10/11/16
And that and then tend that man and sold and that and	

	C11-C22 HYDROCARBONS	
	METHOD: EPA 8015B	
UNIT:	mg/Kg = MILLIGRAM PER KILOGRAM =	PP

SAMPLE I.D.	LAB I.D.	C11-C22 RESULT	DF
UDC1-4.0	161006-18	ND	4*
P1-4.0	161006-19	12100	40

Method Blank

PQL

10

ND

COMMENTS

C11-C22 = DIESEL RANGE PQL = PRACTICAL QUANTITATION LIMIT DF = DILUTION FACTOR ACTUAL DETECTION LIMIT = PQL X DF ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT * = ACTUAL DETECTION LIMIT RAISED DUE TO LIMITED SAMPLE

Data Reviewed and Approved by: MCCAL-DHS ELAP CERTIFICATE No.: 1555

10001 000-5907

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LABORATORY REPORT

CUSTOMER: A & J ENVIRONMENTAL SERVICES 9085 MISSION BLVD., #A1-PMB85, RIVERSIDE, CA 92509 TEL(909)597-9702 FAX(909)597-9707

PROJECT: A&J Covina

ATRIX: SOLL	DATE	RECEIVED: 10/
AMPLING DATE: 10/06/16	DATE	ANALYZED: 10/
REPORT TO: MR. ASA COSBY	DATE	REPORTED: 10/
. An est out off out		101 011110.10/

EPA 5035/8260B FOR BTEX

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	DF
UDC1-4.0	161006-18	ND	ND	ND	ND	1
<u>P1-4.0</u>	161006-19	ND	ND	ND	ND	500*
Method Blank		ND	ND	ND	ND	1
	PQL	0.005	5 0.005	0.005	0.01	.0

COMMENTS:

DF = DILUTION FACTOR PQL = PRACTICAL QUANTITATION LIMIT ACTUAL DETECTION LIMIT = DF X PQL ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT * = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE

Data Reviewed and Approved by: ______ CAL-DHS ELAP CERTIFICATE No.: 1555

OUSTOMER: A & J ENVIRONMENTAL SERVICES 9085 MISSION BLVD., #A1-PMB85, RIVERSIDE, CA 92509 TEL(909)597-9702 FAX(909)597-9707

PROJECT: A&J Covina

MATRIX: <u>SOIL</u> SAMPLING DATE: <u>10/06/16</u> REPORT TO: <u>MR. ASA COSBY</u>

DATE RECEIVED: <u>10/06/16</u> DATE ANALYZED: <u>10/06/16</u> DATE REPORTED: <u>10/11/16</u>

EPA 5035/8260B FOR FUEL OXYGENATES UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	ETBE	DIPE	MTBE	TAME	TBA	DF
UDC1-4.0	161006-18	ND	ND	ND	ND	ND	1
<u>P1-4.0</u>	161006-19	ND	ND	ND	ND	ND	500*
Method Bla	ink	ND	ND	ND	ND	ND	1
	POT	0.01	0 01	0 00	5 0.0	1 0.0	05

COMMENTS :

DF = DILUTION FACTOR PQL = PRACTICAL QUANTITATION LIMIT ACTUAL DETECTION LIMIT = DF X PQL ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT * = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE ETBE = ETHYL tert-BUTYL ETHER DIPE = ISOPROPYL ETHER MTBE = METHYL tert-BUTYL ETHER TAME = TERT-AMYL METHYL ETHER TBA = TERTIARY BUTYL ALCOHOL

Data Reviewed and Approved by: CAL-DHS ELAP CERTIFICATE No.: 1555

AUTOM AND	SKEPWOSE ONLY:
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS	SITE-FILE NO. 9897-58971 AREA 63
900 South Fremont Avenue, 3rd Floor Annex Building Alhambra, CA 91803-1331 Phone No. (626) 458-3517 Fact No. (636) 459-	APP NO. 4.829680
WWW.CleanLA.com	HSUSP NO. P. 749336 2 E
PERMIT ADDENDUM	** See instructions on back of this form**
A CT -3 700	TO BE SCHEDUED.
OWNER INFORMATION:	B UST FACILITY INFORMATION:
PERMIT OWNER/FACILITY NAME	CERSID: 102-25705
FACILITY ADDRESS AV.	NUMBER OF EXISTING USTS AT SITE: 4
CITY COVING (A 91722	NUMBER OF USTS TO BE INSTALLED:
APPLICANT MAILING ADDRESS CA 925CG	
C NEW CONSTRUCTION PLAN CLEARANCE MUST BE ACCOMPANIED BY:	
At least few (4) and MONITORING INFORMATION SUPPLEMENT forms for	each tank to be installed or each tank affected by replacement piping.
At least four (4) sets of construction plans and specifications.	-10 \$ 2682-00
NUMBER OF USTs: 1	PLAN CLEARANCE FEE:
2 3 4	\$1,047.00 \$1,243.00 \$1439.00
5 6 OR MORE	\$1,635.00 + 643.00 + 643.00
New Construction Plan Clearance fee	Enter amount: \$ 1439 pil
SYSTEM MODIFICATION OR CHANGE PROPOSED D FANCUR Ext	sting Dispensiers (2) Instell Brave
- Penversion Frames (3) Instell (6) Gilberte 700 5 NAO (5) Instell VR SEFADORE K	21-331500-353 (D) Replace (1) UDC
ADDENDUM MUST BE ACCOMPANIED BY:	
Facility, tank, and monitoring information for each tank modified or changed.	
Written authorization by tank owner, operator, or Unified Program facility perm Four (4) sets of construction plans, specifications, and/or explanation of modil	nit owner or operator for the scope of work. fications or changes.
	(t) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
Permit Addendum Fee of \$600	\$ 600.00
MAKE CHECKS PAYABLE TO: "LOS ANGELES COUL	NTY DEPARTMENT OF PUBLIC WORKS"
SIGNATURE USU USU	
ASA COSKY &	DATE 4/19/16
ATT Environmental UCENSEN	982780 CLASS A-HGZ
CTOR NAME 1745 DOURDUNITE COLINSEIN	NC44 10011ST NO(2) 525-2301
NSTALLER/RETROFIT AND/OR TECHNICIAN NAME(s) UNITS COU	
2 Complete Certification of Compliance with Los Angeles C	County Lobbyist Ordinance on back 38-0013 DPW Rev. 03/16
	Angeles County Lobbyist Orginance on pack 38-0013 Universes
Complete Certification of Compliance with Los	August

A. General Information RECE Facility Name: <u>GSE 257238</u> FEB () Site Address: <u>601 N. Grand Ave.</u> Facility Contact Person: <u>Lisa Thompson</u> Make/Model of Monitoria	IVED 6 2017 Elver City: Covina Contact Phone No : (818) 206-7500
B Investor and System: Veeder Root TLS-350	Date of Testing/Servicing: 11/14/2016
b. Inventory of Equipment Tested/Certified	
Check the appropriate boxes to indicate specific equipment inspected/set	rviced:
I ank ID: 87	Tank ID: 89
Annular Space or Vault Sensor. Model: 0794390-420	In-Tank Gauging Probe. Model: 847390-109
Piping Sump / Trench Sensor(s). Model: 0794390-205	Annular Space or Vault Sensor. Model: 0794390-420
Fill Sump Sensor(s). Model: 0794390-205	
Electronic Line Leak Detector Model: LD 2000	Mechanical Line Leak Detector. Model: LD 2000
Tank Overfill / High-Level Sensor. Model: OPW 61SO	Electronic Line Leak Detector. Model:
U Other (specify equipment type and model in Section E on Page 2).	Other (specify equipment type and model in Section E on Page 2).
Tank ID: 91	Tank ID: Diesel
X In-Tank Gauging Probe. Model: 847390-109 Appular Series of View S	In-Tank Gauging Probe. Model: 847390-109
Annular Space of Vault Sensor. Model: 0794390-420 Piping Sump / Trench Sensor(s) Model: 0704300-205	Annular Space or Vault Sensor. Model: 0794390-420
⊠ Fill Sump Sensor(s). Model: 0794390-205	Piping Sump / Trench Sensor(s). Model: 0794390-205 Fill Sump Sansor(c)
Mechanical Line Leak Detector. Model: LD 2000	Model: 0/94390-205
L Electronic Line Leak Detector. Model:	Electronic Line Leak Detector. Model:
Other (specify equipment type and model in Section E on Page 2)	Tank Overfill / High-Level Sensor. Model: OPW 61SO
Dispersion ID 4/2	Unter (specify equipment type and model in Section E on Page 2).
Dispenser ID: 1/2 Dispenser Containment Sensor(a) Model	Dispenser ID: 3/4
Shear Valve(s).	Dispenser Containment Sensor(s). Model:
Dispenser Containment Float(s) and Chain(s).	Dispenser Containment Float(s) and Chain(s)
spenser ID: 5/6	Discourse ID 7/0
Dispenser Containment Sensor(s) Model	Dispenser ID: 7/0
Shear Valve(s).	Dispenser Containment Sensor(s). Model:
Dispenser Containment Float(s) and Chain(s).	Dispenser Containment Float(s) and Chain(s).
Denser ID: 9/10 & 11/12	Dispansar ID: 13/14
Dispenser Containment Sensor(s). Model:	Dispenser Containment Sensor(s) Model: 0794380-208
hear Valve(s).	Shear Valve(s).
spenser Containment Float(s) and Chain(s).	Dispenser Containment Float(s) and Chain(s).
facility contains more tanks or dispensers, copy this form. Include	ude information for every tank and dispenser at the facility.
Certification - I certify that the equipment identified in the idelines. Attached to this Certification is information (e.rrect and a Site PlotPlan showing the layout of monitoring o attached a copy of the report; <i>(check all that apply)</i> :	his document was inspected/serviced in accordance with the manufactur. g. manufacturers' checklists) necessary to verify that this information equipment. For any equipment capable of generating such reports, 1 System set-up Alarm history report
Ian Name (print): Jose Rodriguez	Signature:
tion No.: A29851	License No.:5254964-UT
Outiformia Maintenana & Funda	conmental Phone No : (626) 969-7955
company Name: California Maintenance & Envir	

esults of Testing/Servicing

Version Installed: 334.00

plete the following checklist:

	COMPANY AND ADDRESS OF	
Ne	8 🗆 No*	Is the audible alarm operational?
A Yes	No*	Is the visual alarm operational?
A Yes	□ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
Yes	□ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
□ Yes	□ No* ⊠ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g., modem) operational?
⊠ Yes	□ No* □ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: -which sensors initiate positive shut-down? (Check all that apply) ⊠ Sump/Trench Sensors; □ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ⊠ Yes; □ No.
□ Yes	□ No* ⊠ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e., no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger?
□ Yes*	🖾 No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
] Yes*	🛛 No	Was liquid found inside any secondary containment systems designed as dry systems? (Check all that apply) Product; Water. If yes, describe causes in Section E, below.
Yes	□ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
Yes	□ No*	Is all monitoring equipment operational per manufacturer's specifications?

In Section E below, describe how and when these deficiencies were or will be corrected.

Comments:

atem certification

ank Gauging / SIR Equipment:

Check this box if tank gauging is used only for inventory control.
 Check this box if no tank gauging or SIR equipment is installed.

ection must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

plete the following checklist:

Yes	□ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
TYes	□ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
🗆 Yes	□ No*	Was accuracy of system product level readings tested?
🗆 Yes	□ No*	Was accuracy of system water level readings tested?
🗆 Yes	□ No*	Were all probes reinstalled properly?
□ Yes	□ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

* In the Section H, below, describe how and when these deficiencies were or will be corrected.

G. Line Leak Detectors (LLD):

Check this box if LLDs are not installed.

Complete the following checklist:

X Yes □ No* For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? (Check all that apply) Simulated leak rate: 🛛 3 g.p.h.; 🗌 0.1 g.p.h ; 🔲 0.2 g.p.h. □ N/A X Yes □ No* Were all LLDs confirmed operational and accurate within regulatory requirements? X Yes □ No* Was the testing apparatus properly calibrated? Yes Yes □ No* For mechanical LLDs, does the LLD restrict product flow if it detects a leak? N/A For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak? □ Yes □ No* N/A □ Yes □ No* For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected? \boxtimes N/A For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions □ Yes □ No* or fails a test? N/A For electronic LLDs, have all accessible wiring connections been visually inspected? □ Yes □ No* \boxtimes N/A X Yes \square No* Were all items on the equipment manufacturer's maintenance checklist completed?

* In the Section H, below, describe how and when these deficiencies were or will be corrected.

H. Comments:

Spill Bucket Testing Report Form

form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and nouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

	1. FACILITY	INFORMATION			
acility Name: GS	E 257238		Date of Testing:	11/14/2016	
Facility Address: 601	N. Grand Ave. Covina,	CA 91724			
Facility Contact: Lis	a Thompson	Phone: (818) 206-5700			
Date Local Agency Was Notif	ied of Testing :	10/17/201	6 No: 18892		
Name of Local Agency Inspec	tor (if present during testing): Harmik B	azik		
and some state of the second state of the seco	2. TESTING CONTR.	ACTOR INFORMATI	ON		
Company Name: Ca	lifornia Maintenance & Env	ironmental	and the second second		
Technician Conducting Test:	Jose Rodriguez				
Credentials1: CSLB Contra	actor X ICC Service Tec	ch. SWRCB Tank Ter	ster Other (Specify)		
License Number(s):	5254964-UT				
	3 SPILL BUCKET	TESTING INFORMA	TION		
Test Method Llead:	X Hydrostatic		Other		
Test Fauinment Used: Visual (Travity Test	L' TUSUIUI	Equipment Resolution:	Visual	
Test Equipment Oseat Tissuit				0011000	
Identify Spill Bucket (By Tank Number Stored Product etc.)	87 Fill	87 Vapor	89 Fill	89 Vapor	
Number, Stored Product, etc.)	Direct Bury	Direct Bury	Direct Bury	Direct Bury	
Bucket Installation Type:	Contained in Sump	Contained in Sump	Contained in Sump	Contained in Sump	
Bucket Diameter:	13"	13"	13"	13	
lucket Depth:	14"	15"	14.5"	13."	
at time between applying acuum/water and start of test:	30 Minutes	30 Minutes	30 Minutes	30 Minutes	
est Start Time (T ₁):	10:30	10:30	10:30	10:30	
itial Reading (R ₁);	Full	Full	Full	Full	
est End Time (T _e):	11:30	11:30	11:30	11:30	
al Reading (Re):	Full	Full	Full	Full	
st Duration $(T_{-} - T_{-})'$	60 Minutes	60 Minutes	60 Minutes	60 Minutes	
(P_{1}, P_{2}, P_{2})	0	0	0	0	
$r_{s/Fail}$ Threshold or	No Visual Leaks	No Visual Leaks	No Visual Leaks	No Visual Leak	
eria:	ET Dass DEall	M Pass DEail	Pass DFai	I 🖾 Pass 🗆 Fa	
t Result:	Pass pran	E Tass Cran			

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

and a second a

Linging Spill Bucket (By Tank	91 Fill	91 Vapor	Diesel Fill	
Number, Stored Product, etc.)	Direct Bury	□ Direct Bury ⊠ Contained in Sump	□ Direct Bury ⊠Contained in Sump	
Bucket Installation Type:	Contained in Sung	13"	13"	
Bucket Diameter:	14"	14"	14"	
Bucket Depth:	30 Minutes	30 Minutes	30 Minutes	
vacuum/water and start of test:	10:30	10:30	10:30	
Test Start Time (T ₁):	Full	Full	Full	
Initial Reading (R ₁):	11:30	11:30	11:30	
Test End Time (T_F) :	Full	Full	Full	
Final Reading (R _F):	60 Minutes	60 Minutes	60 Minutes	
Cest Duration $(T_F - T_I)$:	0	0	0	
Change in Reading (R _F - R _I): ass/Fail Threshold or	No Visual Leaks	No Visual Leaks	No Visual Leaks	
riteria:	🛛 Pass 🗆 Fail	🛛 Pass 🗆 Fail	🛛 Pass 🗆 Fail	

4. SPILL BUCKET TESTING INFORMATION

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Date: 11/14/2016 Technician's Signature: -



IDIDEDOD		00900-	# 3	
ENERGENCY	IK UNAUTHORIZED RELEASE	(LEAK) CONTAINATON	SITE REPORT	
REPORT DATE	VES NO REALTRANCE	NCY USE ONLY THAT FAM & DESONATED GOVERNMEN NFORMATCH TO LOCK OFFICIALS PUBLIC NFORMATCH TO LOCK OFFICIALS PUBLIC	T EMPLOYEE AND THAT I HAVE	PWROS
ALME OF INDIVIDUAL FLING REPORT David Estandii REPRESENTING OWNEROPERATION	1818) 458-3	SIO M.D. EST	enal	10000
ADDRESS 900 S THEFT	remont Ave	nes County Dept. of	Public works CA 91803	
Al Soul O.1 CO. ADDRESS ADDRESS	UNONOWN Monty	Phyvadakarn	1 8181 440- 0684	
FACLITY NAME (F APPLICABLE) AL SGI ON CO. #2: ADDRESS	B Nort	on Anenberg	1213666-44-71	1
CROSS STREET San	Bernandino 1	en Covina Ed.	courre LA 9172	
AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY AGENCY	NAME CONTACT PER	SJoberg	PHONE (818)M58-353 PHONE	9 SSI
EH Region	NAME	TOUAN	(23) 265 7 OUNTITY LOST (GALLONS)	ONOWN
BUBST BUDSTER				NWOWN
DATE DISCOVERED W Sul 3 of 9 of 9 v Sv 1 1 S DATE DISCHARGE BEGAN			L THAT APPLY)	_
HAS DISCHARGE BEEN STOPPED ?				ROCEDURE
			e SPIL	
			OTHER	
		KING WATER - (CHECK ONLY F W	ATER WELLS HAVE ACTUALLY	SEEN AFFECTE
NO ACTION TAKEN PRELIM	INARY SITE ASSESSMENT WORKPLAN INARY SITE ASSESSMENT UNDERWAY LOSED (CLEANUP COMPLETED OR U		DET CLEANUP MONITORING IN	PROGRESS
	DICAVATE & DISPOSE (ED)	REMOVE FREE PRODUCT (F		JIPPLY (RS)
	DACTION REQUIRED (NA)	TREATMENT AT HOOKUP IN	bled at the	J. tim.
VACUUM EXTRACT (VE)				
		and a la	3	
			1.1.2.	
	14114			

6 L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM DATE COMPILED: 06/25/99 TANKS INSPECTION JOB ORDER REPORT: PWR050.002 RUN DATE: 01/14/02 14:05:37 SCHEDULED INSPECTIONS INSP#: 1000336888 ASSC#: P00001022T PAGE : 1 FILE #: 009897-009741 NAME: AL-SAL OIL CO INC #23 ADD: 611 N GRAND AVE COVINA, CA 91724 XSTREET: SAN BERNARDINO RD CONTACT: PHUVADAKORN, MONTRI, June Mark 195 THOMAS GUIDE: 0599-D4 TEL: 318 440 0684 PROC: SAMPLE REQUIRED? N SAMPLE #: INSP INFO: ROUNTINE COMPLIANCE INSPECTION TANK OPERATING PERMIT PERM TYPE: T 0 # OF TANKS: 4 STATUS: PERMI TTED FREQUENCY LAST PERFORMED NEXT DUE INSPECTION 08/02/96 06/14/02 12 SAMPLE SELF-MONITOR ASSGN TO: SAN DIMAS FIELD OFFICE SECT: FIELD INSPECTION UNIT CONTENTS TANK # OWNER TANK ID # CAPACITY (GAL) DIESEL 20,000 LDS: CONTINUOUS INTERSTITAL MONITOR CON: DOUBLE WALL PREMIUM UNLEADED GASOLINE 20,000 006 LDS: CONTINUOUS INTERSTITAL MONITOR CON: DOUBLE WALL REGULAR UNLEADED GASOLINE 20,000 007 LDS: CONTINUOUS INTERSTITAL MONITOR CON: DOUBLE WALL REGULAR UNLEADED GASOLINE 20,000 800 LDS: CONTINUOUS INTERSTITAL MONITOR. CON: DOUBLE WALL reseated to bottom of sump RESULTS seto. Disp 9/10 fea MARKS: INSPECTION DATE: nod in ly 1-31-02 6" FALARE



underground storage tanks (USTs) which are violations of California Health and Safety Code, (CHSC), Division 20, Chapter 6.7; Los Angeles County Code (LACC), Title 11, Division 4; and/or the conditions and limitations of the above permit.

PERMITS, MONITORING, TESTING AND INSPECTIONS

- No person shall own or operate a UST unless a permit to operate has been issued to the owner by DPW [CHSC §25284, §25293(b)]
- Permittee shall provide testing, monitoring, and inspections in compliance with the permit and shall maintain records adequate to demonstrate compliance [CHSC §25293(a)]

OUT OF SERVICE FACILITIES

- No facility shall be abandoned. [CHSC §25298(a)]
- Facilities temporarily out of service, and intended to be returned to use, must continue to be monitored and inspected. [CHSC §25298(b)]
- Facilities shall not be closed or removed except in a manner approved by DPW. [CHSC §25298(c)]

RESPONSIBILITY FOR UNAUTHORIZED DISCHARGE

Any unauthorized release which escapes from the secondary containment, or primary containment if no secondary containment exists shall be reported to DPW within 24 hours. [CHSH §25295(a)(1)]

DESCRIPTION

of legal disposal for materials excavated or removed from USTs.

.

1 Until appropriate modifications are made, immediately cease the operation of the following USTs:

[-] 110 . 1-1 Other

YOU ARE FURTHER DIRECTED to submit to the office above evidence of compliance with the above directives by no later than fifteen (15) days from the date on this Notice.

Failure to to comply with Underground Storage Tank laws and regulation may subject you to a civil penalty of not less than \$500 or more than \$5,000 or more than \$10,000, or by one year in county jail or both. [CHSC §25299]

If you have any questions regarding this matter, you may contact the Underground Tank Unit, Monday through Thursday, 7:00 a.m. to 5:30 prog., at (626) 458-3517

By Date

Environmental Programs Division

The undersigned hereby acknowledges receipt of a copy of this report and/or Notice. Name

MICHNINGN COM

WORKS GRAMS DIVISION UNDERGROUND STORAGE INSPECTION MS UPCATE SITE/FILE: NAME Q USE CHLY-Lins R.d. ZIP CONTACT 91724 LE LINIT DISPLAYED VIYES muchai micar Asit 897 DROPTUBE TAGS IN PLACE () CORPORATION TYES NINO [] GOV. AGENCY [] INDIVIDUAL OWNER THE OPERATOR? [] YES [] PARTNERSHIP [] OTHER AUNG NAME:] NO: OPERATORS NAME: ADDRESS: ZIP CONSENT TO INSPECT: 1] YES TEL: 626 440 CONTACT Samchai (CHAI) Micanaser TITLE Field Supv TEL: 626 864 3475 INVENTORY RECONCILIATION: YES NO N/A 1. Inventory records complete SURFACE RUNOFF: INTHI 2. Allowable variations exceeded 3. Product dipstick in good condition 4. Water/Gas indicating paste utilized UST AND PIPING: CORRECTIVE ACTION REQUIRED 1. UST and piping locations and configurations consistent with approved plans [1[][] 2. Precision tank integrity test records reviewed: 2/95 Date last tested 10 3. Corrosion protection system installed 1110 Date last maintenance certification 4. Overfill protection/fillpipe installed M(1)5. Dispenser spill box installed [][][] Pursuant to Los Angeles County Code, Title 11, Division 4, §11.84.020. correction of the above conditions is required within 10 days from the date of MONITORING SYSTEM: 725-350 this notice. Upon completion of corrective action, contact the undersigned at 1. Identify method of monitoring/leak detection: 626) 574 096/ between 8:00 a.m. and 9:30 p.m. for compliance verification. 2. Establish procedures for alarms notification 11 11 1][][3. Monitoring tapes/read-out reviewed 41,114 By: 4. Self-diagnostic or calibration program performed 21/0 Date last maintenance certification Inspector, Environmental Pregrams Divisio MONITORING WELLS: 1. Wells located per approved plan 2. Wells property surface sealed and clearly marked TH 11 The undersigned hereby acknowledges receipt of a copy of this report and/or Notice: ON-SITE RECORDS: MI111 1. Last 12 months leak detection records To Moranna 2. Copy of performance claims (third party certification) for leak detection method 11 11 3. Tank and/or associated piping system repairs Tank and/or piping leak detection system maintenance SOMCHOI MICHRASET MILILI (last 12 months) Certification of financial responsibility (petroleum -11114 Location of records if not on-site sites only) lotro. HER: JOELSURVEY UST 12/08/ TSIDE OPERATIONS:

A AND AND AND A	HMUSP CHECK LIST File No	
-	TANKS	
Date Checker NO	ement completed, signed and dated.	
PROVISION 1. Application Support		11
[] Submitted [] Not submitted	ader provisional permit	
2. Number of tanks un 2. Number of tanks un 3. Correct number of 3. Correct number of missing	Application for Permit to Operate Tank forms. forms	
Number 01	· · · ·	
[] 4. Fees. Permit effective of	State Surcharge	
County 1st Year + 2nd Year - Amt Paid - Amt in Trus = Total Due	= Total Due	
Memo to Business &	Finance? []Y []N	
Preuest letter ser	at? []Y []N Date sent	
5. Request	issuance date	
[]6. Provident	»»»»»»»»»»<<<<<<<<<<<<<<<<<<<<<<<<<<<<	<<<<
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	ROGRAMS	
LEAK DETECTION AND TANK MONITORING	t results.	
[] 7. Tank integrity tes		
[] Not submitted [] Submitted	[] Acceptable [] Not acceptable [] Letter sent	·
Identification num	mbers of failed tanks	<u> </u>
[] Not submitted [] Submitted [] Submitted	<pre>[] Approved [] Not approved [] Correction letter date Response date [] 2nd correction letter Response date</pre>	` `
]9. TMP		
[] Not submitted	[] Approved	
	[] Not Approved [] Correction letter date Response date [] 2nd correction letter Response date	
10. Letter requesting (SEE REVERSE	LDP/TMP sent? []Y []N Date sent SIDE FOR OPERATIONAL PERMIT)	

(HO UNDER LARAND TO WELT THE	water mant
PERMIT APPLICATION SUPPLEMENT (PROVISIONAL) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT COUNTY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKECEI ENGINEERING SERVICES/WASTE MANAGEMENT DIVISION	DUE DATE JAN 1 1986
THIS FORM MUST ACCOMPANY ALL APPLICATIONS FOR PERMIT TO OPERATE EXISTING TANKS **See instructions on back of this form**	5 1986 SIC CODE <u>6 B</u> STATE ID# PUBLICTORKS TGC
IF THERE ARE NO UNDERGROUND TANKS AT THIS FACILITY, GO TO	PARTS F & G
(A) BITHELL + INC (B) APPLICATI A HAZARDO	ION IS HEREBY MADE FOR DUS MATERIAL UNDERGROUND
MATLING ADDRESS COULD PLACE STORAGE CONTINA CA 91724 CITY STATE ZIP COUNTY JU	PERMIT (HMUSP) TO AND MAINTAIN AN EXISTING WITHIN LOS ANGELES
FACILITY LOCATION EDNA PLACE NUMBER O	F TANKS AT FACTLITY
(C) ASSESSOR PARCEL IDENTIFICATION (OBTAIN FROM PROPERTY	TAX BILL):
MAP BOOK NUMBER PAGE NUMBER PARCEL NUM	IBER ANTRON A
(D) THIS SUPPLEMENT MUST BE ACCOMPANIED BY:	- have primoriel
<pre>[] STATE APPLICATION FOR PERMIT TO OPERATE UNDERGI FOR EACH CONTAINER, OR COPIES OF HAZARDOUS SUI STATEMENTS AS FILED WITH STATE [] A STATEMENT VERIFYING SAFE STORAGE FOR EACH CO [] HMUSP APPLICATION FEE (COMPLETE PART E)</pre>	ROUND STORAGE TANK BSTANCE STORAGE NTAINER
(E) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMU	ISP) FEE SCHEDULE:
THE HMUSP APPLICATION FEE SHALL BE THE FIRST AN EQUAL ANNUAL INSTALLMENTS. CIRCLE AMOUNT REMITTED.	NUAL INSTALLMENT OF FIVE
HMUSP FEENUMBER OF TANKS:(FIRST INSTALLMENT)+ STATE SUI1 $\$89$ + $\$5$ 2 $\$106$ + $\$11$ 3 $\$123$ + $\$16$ 4 $\$140$ + $\$22$ 5 $\$157$ + $\$28$ 6 OR MORE $\$72$ + $\$17$ PER TANK+ $\$56$ PE	$\begin{array}{rcl} \text{RCHARGE} &= & \text{TOTAL FEES DUE} \\ 6 &= & \$145 \\ 2 &= & \$218 \\ 8 &= & \$291 \\ 8 &= & \$291 \\ 4 &= & \$364 \\ 80 &= & \$437 \\ 80 &= & $167 \\ 80 &= & 1$
MAKE CHECKS PAYABLE TO "L. A. COUNTY DEPARTMENT OF	F PUBLIC WORKS"
F) TO BE FILLED OUT BY PERSONS CLAIMING AN EXEMPTION	TO REGULATION:
<pre>[] THERE ARE NO UNDERGROUND STORAGE TANKS WITHI [] FINAL INTERCEPTOR(S) REGULATED UNDER INDUSTR [] UNDERGROUND STORAGE TANK WITHIN THIS FACILIT EMERGENCY SPILL CONTAINMENT FOR ABOVE GROUND [] OTHER (ATTACH A WRITTEN STATEMENT)</pre>	N THIS FACILITY. NAL WASTE PERMIT # TY IS USED ONLY FOR THE D STORAGE TANKS.
ALL PERSONS FILING THIS FORM MUST COMPLETE THIS	SECTION:
TITLE	
DATE	
TED NAME DATE_	
6/86	



DEPARTMENT OF PUBLIC WORKS

2250 ALCAZAR STREET LOS ANGELES, CALIFORNIA 90033 Telephone : (213) 226-4111

HOMAS A. TIDEMANSON, Director IIAM BARMACK, Chief Deputy Director AMES L. EASTON, Chief Deputy Director YNN L. SMITH, Chief Deputy Director

February 19, 1986

Bithell, Inc. 1004 E. Edna Place Covina, CA 91724

Gentlemen:

APPLICATION FOR CLOSURE HAZARDOUS MATERIALS UNDERGROUND STORAGE

Please find enclosed an Application for Closure per your request.

All existing underground tanks must be either closed or permitted. If the tanks are to be closed, complete both copies of the application form and return with the proper fee.

Soil samples and analyses will be necessary if the stored material(s) is/was not a motor vehicle fuel, fuel oil or waste oil. When soil samples are required, a plot plan to scale showing location of tank(s) and proposed soil boring(s) must accompany the application.

If you have any questions, please contact Mr. John Huff at (213) 226-4018 .

Very truly yours,

T. A. TIDEMANSON Director of Public Works

M. Michael Mohajer Supervising Civil Engineer III Engineering Services Division

IN REPLY PLEASE REFER TO FILE:

I-10799-6B

J. D. Brodine & Son Inc.

795 TODD AVENUE & AZUSA, CA. 91702 (813) 969-7741 (813) 969-6112

June 30, 1986

RECEIVED

Los Angeles County Dept. of Public Works Engineering Services Division 2250 Alcazar Street Los Angeles, CA 90033

DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION

JUN 2 0 1986

File No. 10799

Theresa Lombardo 1004 E. Edna Place Covina, CA 91724

Attention: Mike Dzubnar

Dear Sir:

On removal of two (2) tanks at the above location, we found both tanks to have had paint thinner stored in them. The tanks were empty at the time of removal.

After tank removal, we excavated 2' below invert at both ends of each tank. This excavation was by the backhoe and samples were taken as quickly as possible after the tanks were inspected and loaded on the truck for transportation.

The tanks, on inspection, were found to be sound and there was not any evidence of piping or fill pipe leakage in the soil. The overall site condition was exceptionally clean and free of any evidence of contamination.

The four samples were placed in glass jar containers, sealed with aluminum foil and transported in a refrigerated ice chest to the laboratory for testing.

A water contour map shows deep water at site - approximately 350' to 400' below surface.

A copy of laboratory report indicates a clear site and we request a completion of the tank closure for this location.

Sincerely, Nango

Darorn H. Evans J. D. Brodine & Son, Inc.

APPLICATION FOR CLOSURE HAZARDOUS MATERIALS UNDERGROUND STORAGE COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS 1469 B ENGINEERING SERVICES DIVISION 2250 ALCAZAR STREET LOS ANGELES, CALIFORNIA 90033 OWNER: NAME THERESA LOMBARDO ADDRESS 1046 RANCH CREEK Rd CITY COVINA STATE CAZIP 91724 FACILITY: NAME SITE ADDRESS INC 10044,EDNA MAILING ADDRESS PLACE ZIP 91724 CITY CONTACT PERSON SAME AG SITE CITY STATE ZIP TOLSTOY BILL TITLE CO-ORDINATOR PHONE 333 0303 CLOSURE REQUESTED: TEMPORARY (REFER TO CONDITIONS & AND B ON BACK OF THIS FORM) EFFECTIVE DATE OF CLOSURE DATE OPERATION WILL RESUME PERMANENT TANK(S) REMOVAL (REFER TO CONDITIONS & AND C ON BACK OF THIS FORM) PERMANENT, TANK(S) IN PLACE (REFER TO CONDITIONS & AND D ON BACK OF THIS FORM) TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.) AGE CAPACITY MATERIALS STORED TANK NO. MATERIAL (YEARS) (GAL) (PAST AND PRESENT) #1 STEEL 20 1000 GASOLINE #2 5000 STEEL 20 THINNER YES NO 图图 HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE? -HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS? WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE? X WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED? IN IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION. BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT. 1986 19 DATE MAY Varient Cucun APPLICANT'S SIGNATURE CONTRACTOR J.D. BRODINE & SON INC OPERATOR OWNER L STATE LICENSE NO. 425319 TO BE COMPLETED BY THE COUNTY ENGINEER-FEE COLLECTED \$ 76.00 BY SIGNATURE BELOW APPLICANT IS GRANTED 1469B PERMIT NO APPROVAL TO PROCEED WITH THE CLOSURE. RICGA FILE NO 10 799 hau DATE Bergy 339-TELEPHONE 818 INSPECTION, FOR AN TO ARRANGE



JUN 1 1 1986



Weck Laboratories, Inc. Contract Research

ANALYTICAL SERVICES PRODUCT & PROCESS DEVELOPMENT CUSTOM SYNTHESIS CONSULTING STATE OF CALIFORNIA APPROVED WATER LABORATORY

14859 EAST CLARK AVE., INDUSTRY, CALIFORNIA 91745-1396 • (818) 336-2139

CLIENT Brodine & Sons, INC. 795 Todd AZUSA, CA 91702 (818)969-7741 Attn.: Mr. Darron H. Evans

DATE June 6,86

SAMPLES of soil from BITHELL, INC., taken by clientDATE RECEIVEDMay 29,86on 5-29-86 at 1004 Edna Place, Covina.DATE RECEIVEDMay 29,86Samples received in chilled condition and keptrefrigerated til testing time.DATE RECEIVEDINVESTIGATIONPaint Thinner (EPA# 5020/8015)LABORATORY NO DECECED

LABORATORY NO. 860606-Br.&S

ID# 6-1328

REPORT

m1 ""	15			4 -			Paint Thinner
Tank #1,	North	End 2' belo	2' below	w tank bottom		<0.1 mg/kg	
	South	End					<0.1 mg/kg
Tank #2,	North	End	"	"	"		<0.1 mg/kg
	South	End	"			4	<0.1 mg/kg

From

F.J.Weck



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

550 S. VERMONT AVENUE LOS ANGELES, CALIFORNIA 90020 Telephone : (218) 788-2011

THOMAS A. TIDEMANSON, Director HIAM BARMACK, Chief Deputy Director JAMES L. EASTON, Chief Deputy Director WYNN L. SMITH, Chief Deputy Director ADDRESS ALL CORRESPONDENCE TO: 660 S. VERMONT AVENUE LOS ANGELES, CALIFORNIA 90020

IN REPLY PLEASE REFER TO FILE: I - 10799-6B

JULY 15, 1986

BITHELL INC. 1004 E. EDNA PLACE COVINA, CA. 91724

Attn: MR. BILL TOLSTOY

Gentleman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE CLOSURE PERMIT NO. 1469B FACILITY AT: 1004 E. EDNA PLACE, COVINA

This office has reviewed the soil sample/groundwater laboratory report submitted on JUNE 30, 1986 required as part of the subject closure procedure.

We find that based on the information submitted, no further subsurface investigation is necessary. The the storage tanks listed within the subject permit are considered closed upon disposal of excavated soil as indicated below:

- [XX] The use of soils removed (if any) during tank excavation is unrestricted and/or may be disposed of at an unclassified disposal facility.
-] Soils are not suitable as fill material and must be manifested and transported to a hazardous waste disposal facility permitted by the State Department of Health Services (DOHS) unless evidence is presented indicating DOHS has determined that the material may be disposed of at a less restricted facility. Copies of completed manifests shall be submitted to this office indicating legal disposal.

If you have any questions concerning these requirements please contact MR. MIKE DZUBNAR at (213) 226-4015.

Very truly yours,

T.A. TIDEMANSON Director of Public Works

M. Michael Mohajer Supervising Civil Engineer III Engineering Services Division

RHW:41

All and a second s

213- 724- 1240 1469 B APPLICATION FOR CLOSURE HAZARDOUS MATERIALS UNDERGROUND STORAGE COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION 2250 ALCAZAR STREET LOS ANGELES, CALIFORNIA 90033 OWNER: NAME THERESA LOMBARDO ADDRESS 1046 RANCH CREEK Rd STATE Ca ZIP 91724 CITY COVINA FACILITY: NAME BITHELL SITE ADDRESS INC. 91124 1004 E, EDNA PLACE CITY COVINA ZIP MAILING ADDRESS CITY SAME STATE ZIP CONTACT PERSON TITLE CO-ORDINATOR PHONE 333 0303 TOLSTOY BILL CLOSURE REQUESTED: TEMPORARY (REFER TO CONDITIONS & AND B ON BACK OF THIS FORM) EFFECTIVE DATE OF CLOSURE 14/ DATE OPERATION WILL RESUME PERMANENT TANK(S) REMOVAL DISPOSAL DESTINATION 795 TODD (REFER TO CONDITIONS & AND C ON BACK OF THIS FORM) AVE AZUSA PERMANENT, TANK(S) IN PLACE (REFER TO CONDITIONS & AND D ON BACK OF THIS FORM) TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.) AGE CAPACITY MATERIALS STORED TANK NO. MATERIAL (YEARS) (GAL) (PAST AND PRESENT) #1 STEEL. 20 1000 GASOLINE #2 STEEL 20 5000 THINNER YES NO HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE? X HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS? X WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE? WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED? 1XI IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION. BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT. APPLICANT'S SIGNATURE 11 DATE MAY 10 1986 OWNER [] OPERATOR CONTRACTOR BRODINE & SON INC. J. D. STATE LICENSE NO. 425319 -TO BE COMPLETED BY THE COUNTY ENGINEER-BY SIGNATURE BELOW APPLICANT IS GRANTED FEE COLLECTED \$ APPROVAL TO PROCEED WITH THE CLOSURE. PERMIT NO DATE TO ARRANGE FOR INSPECTION, TELEPHONE MIKE



Rithell, Inc.

Everything in Coatings

1004 E. Edna Place, Covina, California 91724 331-2292

State Contractors License #225174

February 10, 1986

RECEIVED

FEB 1 3 1986

DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION

End Clan

County of Los Angeles Department of Public Works Engineering Services Division P. O. Box 2418 Terminal Annex Los Angeles, California 90051

Dear Sir,

Please refer to our letter of January 10, 1986, a copy is enclosed. As a result of this letter, you sent to us an "Application for Permit to operate an Underground Storage Tank" and a "Provisional Permit Application Supplement for Hazardous Materials Underground Storage".

I have read the Instructions, and the "Notice to apply for a Hazardous Materials Underground Storage Permit" and the additional Instructions.

As I explained in my letter of January 10, 1986, the tank is empty and not in use. After reading all of the above, I have come to the conclusion that it is not worth it to me to operate the tank, and I will not use it in the future. Therefore, per Instruction #8, please issue us a closure permit. As I stated in my letter of January 10, 1986, we do not own the tank. The tank is goned by our Landlord, T. Lombardo, whose address is: 1046 Ranch Creek Road Covina, California 91724

Very truly yours,

Gordon L. Bithell President Bithell, Inc.

Enclosure

GLB: jko
Bithell, Inc.

Everything in Coatings

1004 E. Edna Place, Covina, California 91724 331-2292 State Contractors License #225174

January 10, 1986

Carl Sjoberg Los Angeles County Sanitation Division Department of Pu blic Works Engineering Services Division 550 South Vermont Avenue Los Angeles, California 90020

Dear Sir,

The City of Covina Fire Department has made a Fire Code Inspection on the building that we lease at 1004 East Edna Place Covina, California 91724. They have informed me that we will need a "Provisional Permit Application Suppliment, for hazardous materials undergroung storage."

We have a 5000 gallon underground storage tank, in which we normally store mineral spirits (paint thinner). It is currently empty and not in use at the present time. Would you please call me as soon as possible and inform us how to obtain the permit.

Very truly yours,

Cordon L. Bithell President Bithell, Inc.

GLB: jko

Sithell. Inc.

Everything in Coatings

1004 E. Edna Place, Covina, California 91724 331-2292

State Contractors License #225174

January 10, 1986 7-10771-6B

Carl Sjoberg Los Angeles County Sanitation Division Department of Public Works Engineering Services Division 550 South Vermont Avenue Los Angeles, California 90020

Dear Sir,

The City of Covina Fire Department has made a Fire Code Inspection on the building that we lease at 1004 East Edna Place Covina, California 91734. They have informed me that we will need a "Provisional Permit Application Suppliment, for hazardous materials undergroung storage."

We have a 5000 gallon underground storage tank, in which we normally store mineral spirits (paint thinner). It is currently empty and not in use at the present time. Would you please call me as soon as possible and inform us how to obtain the permit.

Very truly yours.

Cordon L. Bithell President Bithell, Inc.

GLB: jko

RECEIVED

JAN 1 4 1986

DEPARTMENT OF PUBLIC WO ENGINEERING SERVICES DIV.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICE DIV.

ATTN: MIKE DIJEJAR

Inspectrd the following address for compliance with the Los Angeles County Ordiance No. 83-0206U, relating to the storage of Hazardous materials in the underground storage tanks.

Company name: 1017HELL INC. File# 10799-68 Tel: 333-0303	- upor
Address: 1004 E. LONG TENESTON	1
Owner/Person responsible: BILL TOLSTON	
Contractor: J. D. BRODINE & SON. INC. Tel:	
Tank store size: 1-1,000 gal. 1-5,000 gal.	- ALTON
OIL GASOLINE DIESEL CHEMICAL I.W	
OTHER THINNER TANK Dest. 795 TODD AVE. AZU	ISA
SINGLE WALLED SECONDARY CONTAINMENT MONITORING WELLS	

Date Inspected 5/29/86

Complies YES

*Does not Comply

INSPECTOR / Licha

INDUSTRIAL WASTE ENG. INSPECTOR

n Gabriel Valley Regional Office NITATION DIVISION 5 S. Baldwin Ave. adia, CA 91006 intion: Industrial Waste 8)574-0962 M-W-F 8-9a.m. 3)339-6281 T-TH 8-9a.m. (San Dimas) 1-2p.m. (La Puente) 3)961-9611 T-TH

APPENDIX E RECORDS OF COMMUNICATION

From: Sent: To: Subject: Attachments: MacLean, Tanya Monday, October 30, 2017 12:29 PM Castillo, Glenn@DTSC (Glenn.Castillo@dtsc.ca.gov); 'Robert.Hardison@dtsc.ca.gov' Records Search Request (2017-10-30) DTSC Chatsworth Req.pdf

Glenn/Robert:

Attached please find records requests for properties in Los Angeles County, CA. I tried to fax the request but it did not go through. If there are any questions regarding this requests, please contact me directly at this email or at 949.809.5080.

Thank you in advance for your time and help, Tanya

Tanya MacLean Due Diligence Scientist Tetra Tech, Inc. 17885 Von Karman Avenue, Suite 500 Irvine, CA 92614 Direct #: 949.809.5080 | Main #: 949.809.5000 | Main Fax #: 949.809.5010

From: Grod, Steven
Sent: Thursday, October 5, 2017 10:54 AM
To: 'Glenn.Castillo@dtsc.ca.gov' <<u>Glenn.Castillo@dtsc.ca.gov</u>>; 'Robert.Hardison@dtsc.ca.gov'
<<u>Robert.Hardison@dtsc.ca.gov</u>>
Subject: Records Search Request

Messrs. Castillo and Hardison:

On behalf of Tanya MacLean from our office, attached is a request for search/records for a property in North Hollywood with multiple addresses. Was not getting through via a fax since last Friday, hence the e-mail. If any questions, please let us know. Thank you, Steve.

Steven Grod, Project Manager Direct: 949.809.5076 | Main: 949.809.5000 | Cell: 949.542-2869 | Fax: 949.809.5010 steven.grod@tetratech.com

Tetra Tech | Private Practice Group 17885 Von Karman Avenue, Suite 500 | Irvine, CA 92614 www.tetratech.com

Please consider the environment before printing. Read More.

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



17885 Von Karman Avenue, Suite 500 Irvine, CA 92614 Direct #: (949) 809-5080 | Main #: (949) 809-5000 | Main Fax #: (949) 809-5010

October 30, 2017

California Environmental Protection Agency Department of Toxic Substances Control 9211 Oakdale Avenue Chatsworth, CA 91311

Phone: (818) 717-6500 Fax: (818) 717-6526

Re: Request to Review California EPA, DTSC, Files

Attn: Records Clerk

We are representing a client with interests in properties located in various cities in Los Angeles County, California. The concern is for knowledge of hazardous materials investigations and regulatory status of the property. This letter is intended as a formal request for photocopies of files that the California EPA, DTSC, may have for the property at the following locations:

- Barnes Park, 3251 Patritti Avenue, Baldwin Park, CA 91706
- Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA 91724
- Finkbiner Park, 110 & 160 North Wabash Avenue and 159 & 181 North Cullen Avenue, Glendora, CA 91941
- San Angelo Park, 245 San Angelo Avenue, La Puente, CA 91746
- Cortez Park, 2441 and 2501 East Cortez Avenue and 421 South Citrus Street, West Covina, CA 91791
- Allen J. Martin Park, 14830 Giordano Street, La Puente, CA 91744
- La Puente Park, 501 North Glendora Avenue, La Puente, CA 91744

We are also concerned with any activity and use limitations [such as institutional controls (e.g. deed restrictions, restrictive covenants, restrictive easements, or restrictive zoning) or engineering controls (e.g. capping, slurry walls, or point of use water treatment)] or environmental liens associated with the property.

Please contact us if no records are found, or so we can arrange to come in and review the files. If there are any questions regarding this request, please call me directly at (949) 809-5080. Thank you for your time and help.

Sincerely, Tetra Tech, Inc.

Tanna MacLean

Tanya MacLean tanya.maclean@tetratech.com



17885 Von Karman Avenue, Suite 500 Irvine, CA 92614 Direct #: (949) 809-5080 | Main #: (949) 809-5000 | Main Fax #: (949) 809-5010

October 30, 2017

California Environmental Protection Agency Department of Toxic Substances Control 5796 Corporate Avenue Cypress, California 90630

Phone: (714) 484-5300 Fax: (714) 484-5302

Re: Request to Review California EPA, DTSC, Files

Attn: Julie Johnson

We are representing a client with interests in properties located in various cities in Los Angeles County, California. The concern is for knowledge of hazardous materials investigations and regulatory status of the property. This letter is intended as a formal request for photocopies of files that the California EPA, DTSC, may have for the property at the following location:

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- Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA 91724
- Finkbiner Park, 110 & 160 North Wabash Avenue and 159 & 181 North Cullen Avenue, Glendora, CA 91941
- San Angelo Park, 245 San Angelo Avenue, La Puente, CA 91746
- Cortez Park, 2441 and 2501 East Cortez Avenue and 421 South Citrus Street, West Covina, CA 91791
- Allen J. Martin Park, 14830 Giordano Street, La Puente, CA 91744
- La Puente Park, 501 North Glendora Avenue, La Puente, CA 91744

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Please contact us if no records are found, or so we can arrange to come in and review the files. If there are any questions regarding this request, please call me directly at (949) 809-5080. Thank you for your time and help.

Sincerely, Tetra Tech, Inc.

Tanna MacLean

Tanya MacLean tanya.maclean@tetratech.com



LACoFD Health Hazardous Materials Division Records Request Fc

Requests must be submitted using the online request form below. HHMD will not accept any request subr mail, or phone.

Be aware that each request form allows a search of addresses from only one zip code. A separate request be completed for each different zip code. We will not accept an individual form with different zip codes lis files are found, we will notify you via email that there are no records available. If there is a file, you will be the appropriate steps to retrieve or review the files. PLEASE MAKE SURE TO USE VALID EMAIL ADDRESS SO RESPOND TO YOUR REQUEST OR CONTACT YOU FOR ADDITIONAL INFORMATION

Business Name *	
Tetra Tech, Inc.	
f applicable	
Name *	
Tanya	MacLean
irst	Last
Email *	Phone Number *
tanya.maclean@tetratech.com	(949)809-5080
Address *	
17885 Von Karman Avenue, Suite 500	

TYPE OF RECORD

CUPA PROGRAM FACILITY INSPECTION RECORDS REPORTS

- ✓ Hazardous Materials Handler
- ✓ Hazardous Waste Generator
- Onsite Hazardous Waste

Treatment

- Aboveground Petroleum Tanks
- California Accidental Release

Prevention

Other

SITE MITIGATION RECORDS

Clean-up Oversight Reports

EMERGENCY RESPONSE

Incident Reports

Incident Date (if known)

ENFORCEMENT RECORDS (Exempt from release if under

investigation)

Adjudicated Reports

ADDRESS OF REQUEST

** Must provide an address to process request. Multiple addresses may be requested. ** Only one zip code per requ zip code requests will be rejected.

Postal Code		City		
91724		Covin	a	
Street Number *	Number Selection	Street Direction	Street	Street T
735	 All Numbers Even Numbers 	North	Glendora	Aven
You may enter Street Number Range (e.g.	 Odd Numbers 			

https://www.fire.lacounty.gov/hhmd/hhmd-records-request/

800 - 950)



County of Los Angeles

DO YOU NEED HELP?

211 LA County

LA County Helps

Public Alerts

LA COUNTY RESOURCES

Register to Vote

Abducted Children

Runaway Children

Board Correspondence

Delinquent Parents

Your Benefits Now

LA-County.Gov

SITE-INFO/MISSION STATEMENT

PUBLIC RECORDS REQUEST FORM

<u>ATTENTION REQUESTOR</u>: To fulfill your request for records, please fill out this form completely, and identify specifically the type of records you are requesting. Requests must reasonably describe identifiable records prepared, owned, used, or retained by the Sanitation Districts.

REQUESTOR INFORMATION

Name: Tanya MacLean		Date: 10	0-30-2017
Company: Tetra Tech			
Mailing Address: 17885 Von Karma	an Avenue, Suite 500		
City: Irvine	State: CA	Zip Code: 9	2614
Phone Number: 949-809-5080	Fax Num	ber (optional): 94	19-809-5010
Email Address (recommended):	tanya.maclean@tetratech	.com	

REQUESTED RECORDS

Please clearly describe each requested record or document (use additional copies of this form, as necessary)*

I would like to obtain information (permits, violations, etc.) regarding industrial wastewater records, if they exist, for the property with the following address:

• Barnes Park, 3251 Patritti Avenue, Baldwin Park, CA 91706

Time Period of Document Requested

From: All

To:

To:

To:

I would like to obtain information (permits, violations, etc.) regarding industrial wastewater records, if they exist, for the property with the following address:

• Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA 91724

Time Period of Document Requested

I would like to obtain information (permits, violations, etc.) regarding industrial wastewater records, if they exist, for the property with the following address:

From:

Finkbiner Park, 110 & 160 North Wabash Avenue and 159 & 181 North Cullen Avenue, Glendora, CA 91941

Time Period of Document Requested

From:

* Requests that are not specific and focused will be returned for more information. If requested, the Sanitation Districts will assist you in making focused and effective requests for identifiable records. The Sanitation Districts will not create new documents or records in response to a request.

Tanna Marseon

Signature of Requestor

Submit requests by mail, email or fax to:

Office Use Only:	
Date request received:	
Date initial response issued:	
Date request was closed:	

Records Administrator County Sanitation Districts of Los Angeles County P.O. Box 4998 Whittier, CA 90607-4998 records_administrator@lacsd.org Fax (562) 699-5422

From:	MacLean, Tanya
Sent:	Monday, October 30, 2017 11:49 AM
То:	'rb4-publicrecords@waterboards.ca.gov'
Subject:	Records Request
To: Subject:	Records Request

I would like to review LARWQCB files (if any are available) for the properties with the following addresses:

- Barnes Park, 3251 Patritti Avenue, Baldwin Park, CA 91706
- Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA 91724
- Finkbiner Park, 110 & 160 North Wabash Avenue and 159 & 181 North Cullen Avenue, Glendora, CA 91941
- San Angelo Park, 245 San Angelo Avenue, La Puente, CA 91746
- Cortez Park, 2441 and 2501 East Cortez Avenue and 421 South Citrus Street, West Covina, CA 91791
- Allen J. Martin Park, 14830 Giordano Street, La Puente, CA 91744
- La Puente Park, 501 North Glendora Avenue, La Puente, CA 91744

Please contact me so I can arrange to come in and review the files or if no files are found. If there are any questions regarding this request, please call me directly at 949.809.5080.

Thank you in advance for your time and help, Tanya

Tanya MacLean Due Diligence Scientist Tetra Tech, Inc. 17885 Von Karman Avenue, Suite 500 Irvine, CA 92614 Direct #: 949.809.5080 | Main #: 949.809.5000 | Main Fax #: 949.809.5010

From: Sent: To: Subject: Attachments: MacLean, Tanya Monday, October 30, 2017 4:32 PM 'rb4-publicrecords@waterboards.ca.gov' Records Request Al-Sal Oil 23 - Summary.pdf

I would like to review LARWQCB files for the property with the following address:

• Al-Sal Oil #23 (LUST Case ID: I-09791), 601 North Grand Avenue, Covina, CA 91724

Please contact me so I can arrange to come in and review the files or if no files are found. If there are any questions regarding this request, please call me directly at 949.809.5080.

Thank you in advance for your time and help, Tanya

Tanya MacLean Due Diligence Scientist Tetra Tech, Inc. 17885 Von Karman Avenue, Suite 500 Irvine, CA 92614 Direct #: 949.809.5080 | Main #: 949.809.5000 | Main Fax #: 949.809.5010

From:	Pearce, Alexandria <alexandriapearce@lacsd.org></alexandriapearce@lacsd.org>
Sent:	Wednesday, November 01, 2017 2:15 PM
То:	MacLean, Tanya
Subject:	Public Records Request Response
Attachments:	DMS-#4333793-v1-Public_Records_RequestMaclean_of_Tetra_Tech.PDF; DMS-#4333786-v1-
	Public_Records_RequestMaclean_of_Tetra_Tech.PDF; DMS-#4333778-v1-
	Public_Records_RequestMacLean_of_Tetra_Tech.PDF

Tanya,

The Sanitation Districts does not currently have records which are responsive to your request.

Thank you,

ALEXANDRIA PEARCE | Senior Typist Clerk | Industrial Waste Section | 562.908.4288 x2928 SANITATION DISTRICTS OF LOS ANGELES COUNTY | 1955 Workman Mill Road, Whittier, CA 90601 Converting Waste Into Resources | www.LACSD.org

1/3



PUBLIC RECORDS REQUEST FORM

<u>ATTENTION REQUESTOR</u>: To fulfill your request for records, please fill out this form completely, and identify specifically the type of records you are requesting. Requests must reasonably describe identifiable records prepared, owned, used, or retained by the Sanitation Districts.

REQUESTOR INFORMATION

Name: Tanya MacLean		Date: 10-30-2017
Company: Tetra Tech		
Mailing Address: 17885 Von Kan	man Avenue, Suite 500	
City: Irvine	State: CA	Zip Code: 92614
Phone Number: 949-809-5080	Fax Num	ber (optional): 949-809-5010
Email Address (recommended):	tanya.maclean@tetratech.	com

REQUESTED RECORDS

Please clearly describe each requested record or document (use additional copies of this form, as necessary)*

I would like to obtain information (permits, violations, etc.) regarding industrial wastewater records, if they exist, for the property with the following address:
Barnes Park, 3251 Patritti Avenue, Baldwin Park, CA 91706

No records found.

Time Period of Document Req	uested	From:	All	To:

No records found.

I would like to obtain information (permits, violations, etc.) regarding industrial wastewater records, if they exist, for the property with the following address:

 Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA 91724 No records found.

Time Period of Document Requested

No records found.

To:

To:

I would like to obtain information (permits, violations, etc.) regarding industrial wastewater records, if they exist, for the property with the following address:

• Finkbiner Park, 110 & 160 North Wabash Avenue and 159 & 181 North Cullen Avenue, Glendora, CA 91941 No records found.

Time Period of Document Requested

From: All

From: All

* Requests that are not specific and focused will be returned for more information. If requested, the Sanitation Districts will assist you in making focused and effective requests for identifiable records. The Sanitation Districts will not create new documents or records in response to a request.

Tanna Marsean

Signature of Requestor

Submit requests by mail, email or fax to:

Office Use Only:
Date request received:
Date initial response issued:
Date request was closed:

Records Administrator County Sanitation Districts of Los Angeles County P.O. Box 4998 Whittier, CA 90607-4998 records_administrator@lacsd.org Fax (562) 699-5422

DOC # 150	3368				
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Smith L.



Matthew Rodriquez Secretary for Environmental Protection

Department of Toxic Substances Control



Edmund G. Brown Jr. Governor

Barbara A. Lee, Director 5796 Corporate Avenue Cypress, California 90630

October 31, 2017

Ms. Tanya MacLean Tetra Tech, Inc. 17885 Von Karman Avenue, Suite 500 Irvine, California 92614

VARIOUS SITES: PR4-103117-03

Dear Ms. MacLean:

We have received your Public Records Act Request for records from Department of Toxic Substances Control.

After thorough review of our files we have found that, no such records exist at this office pertaining to the sites/facilities reference below:

SEE ATTACHED SHEET:

We would like to inform you about Envirostor, a database that provides information and documents on over 5,000 DTSC cleanup sites. Envirostor can be accessed at: <u>http://www.envirostor.dtsc.ca.gov/public</u>.

If you have any questions, would like further information regarding your request, please contact our Regional Records Coordinator at (714) 484-5336.

Sincerely,

Jone Barrie

Regional Records Coordinator Cypress Administrative Services

brm

TETRA TECH

17885 Von Karman Avenue, Suite 500 Irvine, CA 92614 Direct #: (949) 809-5080 | Main #: (949) 809-5000 | Main Fax #: (949) 809-5010

October 30, 2017

California Environmental Protection Agency Department of Toxic Substances Control 5796 Corporate Avenue Cypress, California 90630 DEPARTMENT OF TOXIC SUBSTANCES CONTROL

OCT 3 0 2017

Phone: (714) 484-5300 Fax: (714) 484-5302 DATE RECEIVED CYPRESS OFFICE

Re: Request to Review California EPA, DTSC, Files

Attn: Julie Johnson

We are representing a client with interests in properties located in various cities in Los Angeles County, California. The concern is for knowledge of hazardous materials investigations and regulatory status of the property. This letter is intended as a formal request for photocopies of files that the California EPA, DTSC, may have for the property at the following location:

- Barnes Park, 3251 Patritti Avenue, Baldwin Park, CA 91706 NIK-
- Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA N/R.
 91724 N/R.
- 91724
 Finkbiner Park, 110 & 160 North Wabash Avenue and 159 & 181 North Cullen Avenue, Glendora, CA 91941
- San Angelo Park, 245 San Angelo Avenue, La Puente, CA 91746 N/P
- Cortez Park, 2441 and 2501 East Cortez Avenue and 421 South Citrus Street, West Covina, CA N/R 91791
 N/P
- Allen J. Martin Park, 14830 Giordano Street, La Puente, CA 91744 N/R
- La Puente Park, 501 North Glendora Avenue, La Puente, CA 91744 N/K

We are also concerned with any activity and use limitations [such as institutional controls (e.g. deed restrictions, restrictive covenants, restrictive easements, or restrictive zoning) or engineering controls (e.g. capping, slurry walls, or point of use water treatment)] or environmental liens associated with the property.

Please contact us if no records are found, or so we can arrange to come in and review the files. If there are any questions regarding this request, please call me directly at (949) 809-5080. Thank you for your time and help.

PR4-103117-03 N/R,

Sincerely, Tetra Tech, Inc.

Tanna Marsean

Tanya MacLean tanya.maclean@tetratech.com

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1/1

Matthew Rodriquez Secretary for

Environmental Protection

Barbara A. Lee, Director 9211 Oakdale Avenue Chatsworth, California 91311

November 1, 2017

Ms. Tanya MacLean Tetra Tech 17885 Von Karman Avenue, Suite 500 Irvine, CA 92614

VARIOUS SITES PR3-103017-03

Dear Ms. MacLean:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control.

After a thorough review of our files we have found that no such records exist at this office pertaining to the sites/facilities referenced below.

- Barnes Park, 3251 Patritti Avenue, Baldwin Park, CA 91706
- Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA 91724
- Finkbiner Park, 110 and 160 North Wabash Avenue, Glendora, CA 91941
- 159 and 181 North Cullen Avenue, Glendora, CA 91941
- San Angelo Park, 245 San Angelo Avenue, La Puente, CA 91746
- Cortez Park, 2441 and 2501 East Cortez Avenue, West Covina, CA 91791
- 421 South Citrus Street, West Covina, CA 91791
- Allen J. Martin Park, 14830 Giordano Street, La Puente, CA 91744
- La Puente Park, 501 North Glendora Avenue, La Puente, CA 91744

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available in the Central Files of each DTSC Regional Office for use by community members to view EnviroStor.





Edmund G. Brown Jr.

Ms. Tanya MacLean November 1, 2017 Page 2

If you have any questions or would like further information regarding your request, please contact me at (818) 717-6522.

Sincerely,

Glenn Castillo/cs Regional Records Coordinator

From:
Sent:
To:
Cc:
Subject:

Gallardo, Laura@Waterboards <Laura.Gallardo@waterboards.ca.gov> Tuesday, November 07, 2017 1:59 PM MacLean, Tanya Gallardo, Laura@Waterboards; Flores, Lucinda@Waterboards File Review Request/Tracking No 2017103102

****Please submit future file review requests to the LARWQCB via e-mail to RB4publicrecords@waterboards.ca.gov****

Thank you for your request to review Regional Board records on 601 North Grand Avenue, Covina, CA. The Regional Board has determined that it has documents that are responsive to your request and disclosable.

To ensure that the records you wish to examine are available in the Regional Board's File Review Room and that you have sufficient desk space to review them, <u>please call Ms. Cindy Flores at 213.576.6633 to request files and schedule an appointment</u>. The File Review Room is found on the second floor of the Regional Board's Office, located at 320 West Fourth Street in Los Angeles, California.

You may make a copy of any document provided by utilizing one of the self-serve photocopying machines in the File Review Room. For your convenience, the Regional Board provides coin-operated copiers for public use. Copies can be made at a cost of \$0.15 per page. Please be advised, however, that the Regional Board cannot make any change. Therefore, please bring plenty of coins and small bills if you intend on using the copy machines. Alternatively, you can bring a photocopying machine or arrange to have a bonded photocopying service come to the Regional Board and make the desired copies. In that the items being provided are official records, the Regional Board requests that appropriate care be taken when reviewing documents and making copies.

File code: UT

FIOIII.	
Sent:	
To:	
Cc:	

Subject:

Gallardo, Laura@Waterboards <Laura.Gallardo@waterboards.ca.gov> on behalf of WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov> Tuesday, November 07, 2017 2:58 PM MacLean, Tanya Gallardo, Laura@Waterboards RE: Records Request/2017103007

The Regional Board has reviewed its files and has concluded that it does not have any records that are responsive to your request.

From: MacLean, Tanya [mailto:Tanya.MacLean@tetratech.com]
Sent: Monday, October 30, 2017 11:49 AM
To: WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>
Subject: Records Request

I would like to review LARWQCB files (if any are available) for the properties with the following addresses:

- Barnes Park, 3251 Patritti Avenue, Baldwin Park, CA 91706
- Kahler Russell Park (formerly known as Wingate Park), 735 North Glendora Avenue, Covina, CA 91724
- Finkbiner Park, 110 & 160 North Wabash Avenue and 159 & 181 North Cullen Avenue, Glendora, CA 91941
- San Angelo Park, 245 San Angelo Avenue, La Puente, CA 91746
- Cortez Park, 2441 and 2501 East Cortez Avenue and 421 South Citrus Street, West Covina, CA 91791
- Allen J. Martin Park, 14830 Giordano Street, La Puente, CA 91744
- La Puente Park, 501 North Glendora Avenue, La Puente, CA 91744

Please contact me so I can arrange to come in and review the files or if no files are found. If there are any questions regarding this request, please call me directly at 949.809.5080.

Thank you in advance for your time and help, Tanya

Tanya MacLean Due Diligence Scientist Tetra Tech, Inc. 17885 Von Karman Avenue, Suite 500 Irvine, CA 92614 Direct #: 949.809.5080 | Main #: 949.809.5000 | Main Fax #: 949.809.5010

From:	Kampen, Wendy <wendy.kampen@fire.lacounty.gov></wendy.kampen@fire.lacounty.gov>
Sent:	Thursday, November 09, 2017 11:24 AM
То:	MacLean, Tanya
Subject:	17-2554 - 17-2557: Public Records Requests
Attachments:	159 N Cullen Ave.FA0041381.pdf

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: 3251 Paltritti Ave, Baldwin Park, CA 91706 735 N Glendora Ave, Covina, CA 91724 110, 160 N Wabash Ave, Glendora, CA 91741 181 Cullen Ave, Glendora, CA 91741

This search revealed that <u>no records</u> were found for the above noted address(es).

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destoyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

Re: 159 N Cullen Ave, Glendora, CA 91741

The records found are attached to this email.

If you have any questions regarding your request, please contact our office at 626-430-3260.

Los Angeles County Fire Department Health Hazardous Materials Division Inspection Section / East District <u>HHMD Website</u>



APPENDIX F RESUMES



TANYA MACLEAN

Due Diligence Scientist

Tetra Tech, Inc. – Division PPG

EDUCATION/SPECIAL TRAINING

B.S. Environmental Science, Minor: Biology – University of Waterloo – Waterloo, ON, Canada

REGISTRATIONS/CERTIFICATIONS

OSHA 40-Hour HAZWOPER Training (29 CFR 1910.120)

QUALIFICATIONS

Ms. MacLean has been primarily responsible for conducting Phase I Environmental Site Assessments (ESAs) and tenant audits since August 2005. Specific duties involve the completion of historical public record/photo reviews, review and evaluation of computer-compiled government agency databases, on-site reconnaissance, interviews, review of hydrogeological and wetlands information, preliminary asbestos-containing materials (ACM) surveys, preliminary lead-based paint surveys, data interpretation, evaluation of recognized environmental conditions (RECs) and environmental concerns, and report preparation. Ms. MacLean has also performed in field oversight of groundwater monitoring activities for a former industrial property.

RELEVANT EXPERIENCE SUMMARY

- **Phase I ESA, Confidential Client, Riverside County, California.** Performed Phase I ESA for wind energy project in Riverside County, CA.
- Phase I ESAs, Confidential Clients, Riverside and San Bernardino Counties, California. Performed Phase I ESAs for three existing or future solar field projects in Riverside and San Bernardino Counties, CA.
- **Phase I ESA, Confidential Client, Nevada.** Performed Phase I ESA for a natural gaspowered, combined-cycle electricity generating facility in Nevada.
- Phase I ESAs, The Boeing Company, Long Beach, CA. Performed Phase I ESAs for several former industrial/manufacturing properties in Long Beach, CA.
- Phase I ESAs, Los Angeles Department of Water and Power (LADWP), Multiple locations in Los Angeles/Kern/Inyo Counties, CA. Performed Phase I ESAs for a total of 31 properties to date for LADWP including a 23-Site portfolio in the Bishop/Big Pine area of Inyo County.

- Phase I ESA, Orange County Transportation Authority (OCTA), Placentia, CA. Performed Phase I ESA for a former auto repair facility in Placentia, CA.
- Phase I ESA, Various Clients, Southern California, Arizona, Nevada, and Oregon Performing Phase I Environmental Site Assessments for various clients, including lending institutions, large corporations, and private clients on hundreds of sites including gasoline stations, dry cleaners, large industrial properties, and commercial and residential properties.
- **Groundwater Monitoring, Costa Mesa, CA.** In field oversight of groundwater monitoring activities for semi-annual groundwater monitoring and post-remediation monitoring at former industrial facility in Costa Mesa, CA.
- Tenant Inspection Program, Southern and Northern California, Phoenix, Atlanta, Calgary Involved with tenant audits of warehouse, light industrial, and commercial facilities at a number of business parks in southern and northern California, Phoenix, Atlanta, and Calgary.

PROFESSIONAL REFERENCES

Furnished upon request



STEVEN GROD

Project Manager

Tetra Tech, Inc. – Division PPG

EDUCATION/SPECIAL TRAINING

B.S. Oceanography – Humboldt State University – Arcata, CA

REGISTRATIONS/CERTIFICATIONS

OSHA 40-Hour HAZWOPER Training (29 CFR 1910.120) AHERA-certified Building Inspector

QUALIFICATIONS

Mr. Grod has over 20 years of experience in the conduct of environmental studies in the United States. This experience includes property transfer evaluation of individual residential, commercial, industrial, manufacturing, and energy properties and portfolios primarily across the western United States; and soil and groundwater characterization.

Currently, Mr. Grod serves as a Project Manager of Tetra Tech Inc.'s Irvine, California office. As Project Manager, Mr. Grod is responsible for performing and/or overseeing or supervising environmental assessments, environmental sampling, compliance audits, regulatory records research and review, subsurface investigations, and preparation of AutoCAD-based drawings.

Previously, Mr. Grod held similar positions in California with Vertex Engineering Services, Inc., and at ATEC Environmental Consultants (ATEC) and ATC Associates Inc. (ATC), which acquired ATEC in 1996.

RELEVANT EXPERIENCE SUMMARY

Managed and/or performed Phase I Environmental Site Assessments (ESAs) for a variety of
properties including residential, commercial, industrial, manufacturing, oil field, and energy
properties. Property types have included wind and solar energy facilities, a natural gaspowered combined-cycle electricity generating facility, multi-tenant shopping centers, strip
shopping centers, high-rise office buildings, dry cleaners, gasoline/service stations, metal and
powder coating facilities, wire manufacturing facilities, injection molding facilities, medical
and biological research and development facilities, aerospace facilities and computer parts
manufacturing facilities, an ink manufacturing facility, plastics manufacturing facilities, and
a construction company equipment yard and maintenance facility (located within an oil field;
with oil wells on-Site).

- Managed the performance of quarterly tenant inspection reviews of approximately 90 million square feet of tenant space nationwide.
- Performed Phase I environmental site assessments and NEPA studies for the wireless telecommunications industry.
- Assisted with oversight of soil borings and groundwater monitoring well installations, and performing soils and groundwater sampling.
- Performed reviews/searches of regulatory records for legislation regarding hazardous materials use, hazardous materials and waste storage, and hazardous waste disposal; and conducted environmental compliance audits at industrial and commercial facilities.
- Assisted with preparation of compliance documentation (Hazardous Materials Business Plans and Spill Prevention, Control, and Countermeasures Plans).
- Performed AHERA, modified AHERA, and comprehensive Asbestos Surveys in residential, commercial and industrial buildings.
- Performed modified HUD lead-based paint sampling utilizing wipe sampling and chip sampling techniques.
- Assisted with lead-based paint surveys using gamma ray spectrometer.
- Performed radon gas and lead in drinking water sampling surveys.
- Performed numerous Phase I ESAs in California. Specific properties for Phase I ESAs have included wind and solar energy facilities, aerospace manufacturing facilities, an ink manufacturing facility, plastics manufacturing facilities, and a construction company equipment yard and maintenance facility (located within an oil field; with oil wells on-Site).
- Regulatory agency records reviews have included National Priority List (NPL; also known as Superfund) sites including the San Gabriel Valley and San Fernando Valley Superfund sites. Additional recent regulatory agency records reviews have been performed for cases pertaining to soil, soil gas, and/or groundwater impacted with hazardous substances that are overseen by regional (California Regional Water Quality Control Board [RWQCB] and local (City/County Environmental Health Departments) regulatory agencies. Specific property types for the cases included a former oil refinery, a landfill, a dry cleaning facility, and a number of gasoline/service stations.

PROFESSIONAL REFERENCES

Can be provided upon request.



Oliver D. Galang, PE, ENV SP, QSD/P, QISP Engineering Manager – Water Resources

EXPERIENCE SUMMARY

Oliver Galand's experience encompasses over 22 years of planning, design, construction and program management of multi-million dollar municipal capital improvement projects, specifically in water resources and stormwater infrastructure throughout Los Angeles County. Highlights of Oliver's career include service as the Head of the Los Angeles River Watershed Section of the Los Angeles County Department of Public Works' Watershed Management Division. His responsibilities included staff management and direction for the planning of multi-use, multi-benefit projects, with an estimated construction value of more than \$60 million, along the Los Angeles River. He served as the Head of the Data Management Section of the Watershed Management Division, and was responsible for an annual budget of more than \$10 million in urban runoff and stormwater quality monitoring programs, including Los Angeles County Flood Control District (LACFCD's) National Pollutant Discharge Elimination System (NPDES) Municipal Stormwater Monitoring Program. He was also responsible for managing the operations of the LACFCD flood control and water conservation system, which consisted of 14 reservoirs, 500 miles of conveyance channels, and 27 groundwater recharge facilities.

RELEVANT EXPERIENCE

WATER RESOURCES

City of Santa Monica Civil Engineering Division, Santa Monica, California

- CBI Project at Pier and Pico-Kenter Watershed (\$563,000) (May 2016)
 - Project Manager. This project consists of the design and construction of a stormwater diversion at the Santa Monica Pier drain and a 1.6 MG regional stormwater BMP storage structure. Water stored in the reservoir will be pumped and treated at the SMURRF for recycled water service. In addition an 80,000 gallon first-flush storage facility will be integrated into the Pico-Kenter storm drain. Flows from this reservoir will also be pumped to the SMURRF facility. Oliver is leading the project development team and coordinating these efforts with the City Project Team.

Gateway Watershed Management Authority, Paramount, California

- Los Angeles River, Upper Reach 2 Feasibility Study (\$361,000) (May 2016)
 - Project Manager. This project consists of the development of six project concepts that will divert wet-weather and dry-weather urban runoff from various storm drains to an underground infiltration gallery or storage system at four local city parks, an LADWP Easement, and a railroad right-of-way facility. The project concepts will result in the development of 10% design documents for six Regional BMPs in the watershed. Oliver is leading the project development team and coordinating these efforts with a stakeholder team from the Cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood, and Vernon.

City of Lakewood Public Works Department, Lakewood, California

- Lakewood Stormwater Capture Project (\$435,000) (September 2015)
 - Project Manager. This project consists of the development of two project concepts that will divert wet-weather and dry-weather urban runoff from the Los Cerritos Channel to an underground infiltration gallery or storage system at two City Parks. The project concepts will result in the development of 10% design documents for two City Park Regional BMPs. Oliver is leading the project development team and coordinating these efforts with the City Project Team.

EDUCATION

B.S., Civil Engineering, California State University, Fullerton, 1993

Engineering Management Graduate Studies, California State Polytechnic University, Pomona, 2005

AREA OF EXPERTISE

Water Resources, Storm water Compliance, Water Quality Monitoring Programs, BMP Design, Drainage Design, Flood Control, and Groundwater Recharge

REGISTRATIONS/ AFFILIATIONS

Civil Engineer 56558, California, 1997

TRAINING/CERTIFICATIONS

Envision Sustainability Professional, November 2014

Qualified SWPPP Developer (QSD/P)

Qualified Industrial Storm Water Practitioner (QISP)

OFFICE

Pasadena, CA

YEARS OF EXPERIENCE

22

YEARS WITHIN FIRM

Less than a year

CONTACT

Email :

Oliver.Galang@tetratech.com

Tel. 626.351.4664

Cell 213.598.4178

Los Angeles County Department of Public Works, Alhambra, California

- Multi-Agency Collaborative, Phase 2 Pilot-to-Scale Stormwater Capture Initiative, Los Angeles, California (\$1,154,000) (July 2015)
 - Technical Lead. This project consists of the develop of a multi-agency governance structure with the City of Los Angeles Department of Water and Power, Bureau of Sanitation, and the Los Angeles County Flood Control District. In addition, this project includes the demonstration of a pilot-to-scale project consisting of rainwater harvesting retrofits (including cisterns, infiltration practices, and landscape transformation). Each system will be outfitted with remote monitoring sensors and real-time controls to test a range of water management scenarios. Oliver is providing technical support with the water resource opportunities and guiding the contract management with the multiple agency funding sources.

City of Los Angeles, Bureau of Engineering, Los Angeles, California

- Aliso-Limekiln Creek Restoration Project, Los Angeles, California (\$1,154,000) (July 2015)
 - Technical Lead. This project consists of the development of a regional stormwater BMP under the City's Proposition O Program. The project consists of diverting dry-weather urban runoff from Aliso Canyon Creek and Limekiln Creek to an adjacent undeveloped property in the Northridge community. He is responsible for leading the development of the watershed hydrology, hydraulic analysis, and the BMP sizing effort for this project.

City of Lawndale and Carson Public Works Department, Lawndale and Carson, California

- Dominguez Channel Watershed Management Area Group Coordinated Integrated Monitoring Program (\$120,000) (September 2015)
 - Project Manager and Technical Lead. This project consists of the technical revision of the Coordinated Integrated Monitoring Plan for the Dominguez Channel Watershed as required under the 2012 NPDES MS4 Permit for the Los Angeles County. Oliver led the effort to reconfigure the monitoring program, land use analysis, and identification of additional monitoring locations in order to include the Cities of Carson and Lawndale into the program. Oliver was responsible for leading the project development team and coordinating these efforts with the stakeholder team, consisting of the Los Angeles County Flood Control District, the County Unincorporated Areas, and the Cities of Los Angeles, El Segundo, Inglewood, and Hawthorne.

Project Experience Prior to Tetra Tech

County of San Diego Watershed Protection Program, San Diego, California

- ISI Envision Sustainability Methodologies for Stormwater BMPs Sustainable Return on Investments. (\$135,000) (May 2015)
 - Technical Lead. This project consist of a comparative assessment of structural stormwater best management practices (BMPs) using a triple bottom line approach to identify benefits and impacts. The Envision[™] rating system is being applied to 21 stormwater BMP categories to develop a decision support tool the County will use to incorporate sustainability criteria in stormwater project selection analyses. He conducted the assessment of the wide range of BMPs includes green streets, hydrodynamic separators, bioinfiltration, extended detention basins, stream rehabilitation, groundwater injection, and others.

City of Los Angeles, Department of Public Works, Bureau of Sanitation, Los Angeles, California

- TOS SN-12 Technical Services for Monitoring in the Santa Monica Bay and Los Angeles River Watersheds. (\$148,000) (July 2015)
 - Project Manager and Technical Lead. This project consists of the design and installation of Water Quality Monitoring Stations in the Upper Los Angeles River and the Santa Monica Canyon Channel. He was responsible for leading the design efforts that met the requirements of the Coordinated Integrated Monitoring Programs for the City.
 - Project Management and Coordination with the City staff
 - ✓ Design oversight and coordination with civil and electrical engineering staff
- TOS S55C Dominguez Channel Enhanced Watershed Management Plan and Coordinated Integrated Monitoring Plan. (\$168,000) (November 2014)
 - Technical Lead. This project consists of the development of an Enhanced Watershed Management Plan and Coordinated Integrated Monitoring Plan for the Dominguez Channel Watershed as required under the 2012 NPDES MS4 Permit for the Los Angeles County. As a subconsultant to the prime, Brown and Caldwell is responsible developing Coordinated Integrated Monitoring Plan and incorporating MS4 monitoring requirements with current TMDL monitoring programs. Oliver led the development of the monitoring approach and execution methods.
 - ✓ Technical oversight and direction for the development of the monitoring plan and approach.
 - Participation in Agency coordination meetings

- TOS S38 Difficult Access Reaches Sewer Planning, Los Angeles, California (\$500,000) (November 2013)
 - Deputy Project Manager/Technical Lead. This project involves the development of an approach for the City's sewer lines located within private properties. This project includes sewer pipeline CCTV assessment, recommendations for renewal, and implementation of a sewer pipeline renewal activities, and the development of a guidance document. He was responsible for assisting with the management of the project, coordination with the City, and contractors, managing the project budget, and providing technical leadership on the public outreach approach.
- TOS S28 Ballona Creek Automatic Water Samplers AC Power, Los Angeles, California (\$128,000) (June 2013)
 - Project Manager. This task order covers design, construction, and permitting to provide AC power as a permanent and reliable source of power at five automated stormwater sampling stations. He was responsible for managing the project, coordination with the City, and providing oversight of the technical team and installation contractor. This project involves the development of an approach for the City's sewer lines.

City of Los Angeles, Department of Public Works, Bureau of Engineering, Los Angeles, California

- Penmar Water Quality Improvement Project Phase 1, Venice, California (\$1.8 Million) (February 2014)
 - Project Manager. Oliver managed the construction phase, including reviewing contractor submittals, responding to requests for information, and preparing weekly reports. The project, funded by the City's Proposition O Clean Water Bond, aims to improve water quality by reducing pollutants from urban runoff that flows through the existing Rose Avenue storm drain and out to Venice Beach.
- Echo Park Lake Rehabilitation Project, Los Angeles, California (\$148,000) (June 2014)
 - Project Manager. He managed the construction phase of this \$50 million project, including reviewing contractor submittals, responding to requests for information, and preparing weekly reports. This rehabilitation project was funded by the City's Proposition O Clean Water Bond. Project goals were to characterize the sediments of the existing lake bed, quantify contaminated soils, design in-lake improvements, design surrounding parkland BMPs, and provide vegetation, habitat, and parkland improvements.

City of San Diego Public Utilities Department, San Diego, California

- Lake Hodges Reservoir Water Quality Assessment Study, City of San Diego, California (\$230,000) (July 2013)
 - Project Manager. This project consists of an evaluation of the Lake Management issues in the reservoir and the development a conceptual design report with those recommendations. This study will evaluate water quality challenges in the reservoir, including algae, regulatory demands, and quagga mussel controls in the reservoir. Scope of work also includes the development of a hydrodynamic model to estimate the potential changes to the reservoir as a result of the proposed alternatives. He was responsible for managing the project, coordination with the stakeholders, conducting a conceptual alternatives workshop, and the development of the conceptual planning report documents.
- Lake Hodges Reservoir Bathymetric Survey, City of San Diego, California (\$120,000) (July 2013)
 - Project Manager. This project consists of the development of a bathymetric survey to determine the storage capacity of the Lake Hodges Reservoir. He was responsible for managing the project and subconsultant team of surveyors, coordination with the City water operations managers, and managing schedule and budgets.

State of California Department of Transportation, Sacramento, California

- State Route 73 Conversion from Pilot to Approved BMPs, Caltrans District 12 (\$500,000) (September 2014)
 - Technical Lead. Oliver evaluated pilot best management practices (BMPs) and developed improved skimmer designs for four pilot BMPs with skimmer outlets. This project provided a conversion plan of 22 pilot BMPs to permanent BMPs located along State Route 73 for the California Department of Transportation, and the re-design, construction, and installation of improved skimmers. He developed three concepts for improving the pilot BMP basins with skimmer outlets. These concepts consisted of improvements to the intake system, and operation and maintenance procedures.

County of Los Angeles, Department of Public Works, California

Section/Unit Head. Responsible for the overall management and direction of various divisions/sections within the Department of Public Works, including:

• Los Angeles River Section, Watershed Management Division. Section Head. Managed a staff of 12 engineers during the planning of multi-use, multi-benefit projects within the Los Angeles River Watershed for the LACFCD. Managed projects with an estimated construction cost of more than \$60 million, including:

- Sun Valley Strathern Wetlands Park Project. Watershed Manager. Oversaw the design development of the \$48 million multi-use wetlands park. The project is a major component of the Sun Valley Watershed Master Plan that seeks to address major flooding through a stakeholder-based multi-benefit project approach. The project consisted of redeveloping a 46-acre former landfill site into a multi-use stormwater facility. The facility consisted of 21-acres of flood control detention ponds, 10-acres of treatment wetlands, 15-acres of natural open space, and recreational park facilities that integrate low impact development (LID) components of permeable pavements, native landscaping and swales. The project also infiltrated stormwater runoff flows in the adjacent infiltration basins of the Sun Valley Park Project. He managed development of the final project concept; initiated the geotechnical investigations and pond liner design; met with the multiple stakeholders, political leaders, and partner agencies; managed funding grants; and presented the final project concept to the local community.
- Compton Creek Flood Risk Mitigation Project. Watershed Manager. Oversaw the alternatives feasibility study and hydraulic analysis of a \$20-million flood risk mitigation of Compton Creek to contain the 100-year storm event. He conducted technical review of the alternative concepts that consisted of using existing open space areas (parks, schools, undeveloped) within the Compton Creek Watershed to detain stormwater and constructing additional flood wall levees to contain the storm water flows within the Compton Creek Channel. Presented the alternative concepts and recommended plan to the County of Los Angeles Public Works.
- Pacoima Spreading Grounds Water Conservation Park Project. Watershed Manager. Developed a \$6 million project that proposes intake modifications and redevelopment of a multi-use park project. The project consisted of a rubber dam diversion structure, storm drains, and a multi-use recreational area and educational plaza. Provided oversight and direction for developing the project's concept, and was responsible for technical review of the Proposition 84 Grant Application, coordination with the City Council, and meeting with community stakeholders.
- Data Management Section, Watershed Management Division. Section Head. Responsible for a staff of 15 engineers, scientists, and technicians with an annual budget of more than \$10 million in urban runoff and stormwater quality monitoring programs for the LACFCD and unincorporated areas of Los Angeles County. Projects included:
 - LACFCD NPDES MS4 Stormwater Monitoring Program. Section Manager and Program Manager. Implemented the MS4 NPDES Permit Stormwater Monitoring Program that characterized the stormwater discharge quality from Los Angeles County. The program encompassed stormwater and dry-weather composite sampling of a 3,000-square-mile area, seven major watershed mass emissions stations, and six major river tributary monitoring stations. He oversaw data compilation, technical analysis, and the stormwater quality assessment of the Annual NPDES Monitoring Report to the Los Angeles Regional Board. He also led efforts to conduct BMP performance testing of the Sun Valley Park infiltration system, Marie Canyon Water Quality Improvement Project, Dominguez Gap Wetlands, and the 19 Low Flow Diversion Systems in the Santa Monica Bay.
 - Marina del Rey Toxic Pollutants TMDL Coordinated Monitoring Program and Special Studies. Section Manager. Led the effort to implement the \$4.5 million TMDL Coordinated Monitoring Program and Special Studies on behalf of Caltrans, the County of Los Angeles, and the cities of Culver City and Los Angeles. Developed the scope of services, negotiated contracts and established consultant task orders. In addition, he negotiated the accelerated implementation of the TMDL Special Studies with the Los Angeles Regional Board and the agencies in order to address the pending TMDL schedule deadline. The Coordinated Monitoring Program required harbor sediment sampling and water column testing, storm drain sampling during storm events, and the annual bioaccumulation testing of mussels and fish tissue. The Special Studies were mandated through the TMDL to address low detection limits and partition coefficients for the Marina del Rey Harbor. Successfully negotiated staging of the multi-agency agreement through a subsequent amendment with Caltrans that allowed the coordinated monitoring program to move forward while the State addressed its budget delays.
 - LACFCD System-wide Monitoring Program and Pilot Project. Section Manager. Developed the project concept and implemented the consultant services contract to design and develop a state-of-the-art monitoring system to enhance and expand the existing core water quality monitoring program for the LACFCD. The design proposed an automated data collection system of multi-parameter water quality monitoring sensors, telemetry

for data transmissions, a database, and a graphical user interface. Responsible for project funding and scheduling, developing the scope of services, negotiating contracts, managing staff, coordinating with information technology and information security staff, and providing technical review of the system design documents. The \$3.5 million Pilot Project consisted of implementing the backbone system and 19 remote monitoring stations within the major tributaries of Los Angeles County. Co-authored technical papers and made conference presentations on the system design development and Pilot Project implementation at the APWA 2010 International Conference (Boston, MA), ASCE EWRI 2010 Conference (Providence, RI), CASQA 2010 Conference (Rancho Mirage, CA), and StormCON 2011 (Anaheim, CA).

- Santa Monica Bay Section, Watershed Management Division. Unit Head. Managed a staff of four engineers, contract management, and budgeting of projects to improve stormwater quality in the North Santa Monica Bay. Projects included:
 - Malibu Creek Bacteria TMDL Implementation Plan (2008). Project Manager. Led the multi-agency planning effort to develop the Malibu Creek Watershed Bacteria TMDL Implementation Plan on behalf of the County of Los Angeles; Caltrans; County of Ventura; and the cities of Agoura Hills, Calabasas, Hidden Hills, Malibu, Thousand Oaks; and Westlake Village. The implementation plan consisted of a phased implementation of nonstructural and institutional BMPs, and structural BMPs incorporating LID measures such as permeable pavements, bioretention and vegetated swales, and regional BMPs such as detention basins, to address water quality impairments from urban and stormwater runoff. He coordinated and chaired the multi-agency TMDL Working Group meetings, implemented multi-agency agreements, developed the Bacteria TMDL Implementation Plan, and made the technical presentation to the Los Angeles Regional Board. As the chair for the TMDL Working Group meetings, he developed a consensus-based equitable cost-sharing methodology and initiated the process for implementing the Bacteria TMDL Implementation Plan.

APPENDIX G PHASE I ESA SHELF LIFE SUMMARY

PHASE I ESA SHELF LIFE SUMMARY

Effective Date of the Phase I ESA Report: January 15, 2018.

Date Site Inspection Reconnaissance was Performed: November 14. 2017.

Dates Interviews were Performed: Between October 30 and November 16, 2017.

Dates Records Reviews were Performed: Between October 30 and December 6, 2017.

Date Environmental Liens and AULs Searches were Performed:

Texas Environmental Research, 2017, Environmental Lien and Other Activity Use Limitations (AULs) Search, Parcels 8428-015-902 and 8428-023-901, 735 North Glendora Avenue, Los Angeles County, Covina, California: dated November 1, 2017.

<u>Shelf Life</u>:

The shelf life (continued viability) of the Phase I ESA Report is pursuant to the time frame specified within ASTM Standard Practice E1527-13. Tetra Tech understands the ASTM time frame to be 180 days.

Appendix I Noise Measurements and Modeling


Project: Wingate Park Construction Noise Impact on Sensitive Receptors

ESA

Parameters

8 Daytime hours (7 am to 7 pm)
0 Evening hours (7 pm to 10 pm)
0 Nighttime hours (10 pm to 7 am)
3

						R1					R2		
Construction Phase Equipment Type	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L11	Estimate d Noise Shielding , dBA
Demolition					62	57				70	64		
Tractor/Loader/Backhoe	1	80	25%	600	58	52	55	0	100	69	63	66	5
Tractor/Loader/Backhoe	1	80	25%	900	55	49	52	0	300	59	53	56	5
Tractor/Loader/Backhoe	1	80	25%	1100	53	47	50	0	550	54	48	51	5
Excavator	1	81	40%	900	56	52	55	0	300	60	56	59	5
Site Preparation					61	55				72	66		
Tractor/Loader/Backhoe	2	80	25%	600	61	55	58	0	100	72	66	69	5
Grading/Excavation					66	62				75	71		
Tractor/Loader/Backhoe	1	80	25%	600	58	52	55	0	100	69	63	66	5
Excavator	2	81	40%	600	62	58	61	0	100	73	69	72	5
Graders	1	85	40%	900	60	56	59	0	300	64	60	63	5
Rubber Tired Loader	2	79	40%	900	57	53	56	0	300	61	57	60	5
Drainage/Utilities/Trenching					62	56				70	64		
Tractor/Loader/Backhoe	1	80	25%	600	58	52	55	0	100	69	63	66	5
Compactor (ground)	1	83	20%	900	58	51	54	0	300	62	55	58	5
Excavator	1	81	40%	1100	54	50	53	0	500	56	52	55	5
Foundations/Concrete Pour					57	53				68	64		
Cement and Mortar Mixers	1	79	40%	600	57	53	56	0	100	68	64	67	5
Infiltration Chambers					62	56				72	66		
Tractor/Loader/Backhoe	2	80	25%	600	61	55	58	0	100	72	66	69	5
Cranes	1	81	16%	900	56	48	51	0	300	60	52	55	5
Paving					62	58				68	65		
Paver	1	77	50%	600	55	52	55	0	100	66	63	66	5
Other Equipment	1	85	50%	900	60	57	60	0	300	64	61	64	5
Roller	1	80	20%	1100	53	46	49	0	550	54	47	50	5
Pervious Pavement					63	60				74	71		
Other Equipment	1	85	50%	600	63	60	63	0	100	74	71	74	5
Landscpaing/Trail					62	55				70	64		
Tractor/Loader/Backhoe	1	80	25%	600	58	52	55	0	100	69	63	66	5
Compactor (ground)	1	83	20%	900	58	51	54	0	300	62	55	58	5
Roller	1	80	20%	1100	53	46	49	0	550	54	47	50	5
Site Amenities					58	52				69	63		
Tractor/Loader/Backhoe	1	80	25%	600	58	52	55	0	100	69	63	66	5
Maximum Overlapping Noise Le	evels				63	57			*	73	66		
Maximum Combined Noise Lev	els				66	62				75	71		

Source for Ref. Noise Levels: LA CEQA Guides, 2006 & FHWA RCNM, 2005

Project: Wingate Park Construction Noise Impact on Sensitive Receptors

Parameters

Construction Hours:	8 Daytime hours (7 am to 7 pm)
	0 Evening hours (7 pm to 10 pm)
	0 Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3

						R3					R4		
								Estimate					Estimate
		Reference						d Noise					d Noise
Construction Phase	No. of	Noise Level at	Acoustical	Distance				Shielding	Distance				Shielding
Equipment Type	Equip.	50ft, Lmax	Usage Factor	(ft)	Lmax	Leq	L12	, dBA	(ft)	Lmax	Leq	L11	, dBA
Demolition					70	64				53	48		
Tractor/Loader/Backhoe	1	80	25%	100	69	63	66	5	125	52	46	49	20
Tractor/Loader/Backhoe	1	80	25%	300	59	53	56	5	325	44	38	41	20
Tractor/Loader/Backhoe	1	80	25%	550	54	48	51	5	500	40	34	37	20
Excavator	1	81	40%	300	60	56	59	5	325	45	41	44	20
Site Preparation					72	66				55	49		
Tractor/Loader/Backhoe	2	80	25%	100	72	66	69	5	125	55	49	52	20
Grading/Excavation					75	71				58	54		
Tractor/Loader/Backhoe	1	80	25%	100	69	63	66	5	125	52	46	49	20
Excavator	2	81	40%	100	73	69	72	5	125	56	52	55	20
Graders	1	85	40%	300	64	60	63	5	325	49	45	48	20
Rubber Tired Loader	2	79	40%	300	61	57	60	5	325	46	42	45	20
Drainage/Utilities/Trenching					70	64				53	47		
Tractor/Loader/Backhoe	1	80	25%	100	69	63	66	5	125	52	46	49	20
Compactor (ground)	1	83	20%	300	62	55	58	5	325	47	40	43	20
Excavator	1	81	40%	500	56	52	55	5	500	41	37	40	20
Foundations/Concrete Pour					68	64				51	47		
Cement and Mortar Mixers	1	79	40%	100	68	64	67	5	125	51	47	50	20
Infiltration Chambers					72	66				55	49		
Tractor/Loader/Backhoe	2	80	25%	100	72	66	69	5	125	55	49	52	20
Cranes	1	81	16%	300	60	52	55	5	325	45	37	40	20
Paving					68	65				52	49		
Paver	1	77	50%	100	66	63	66	5	125	49	46	49	20
Other Equipment	1	85	50%	300	64	61	64	5	325	49	46	49	20
Roller	1	80	20%	550	54	47	50	5	500	40	33	36	20
Pervious Pavement					74	71				54	51		
Other Equipment	1	85	50%	100	74	71	74	5	180	54	51	54	20
Landscpaing/Trail					70	64				53	47		
Tractor/Loader/Backhoe	1	80	25%	100	69	63	66	5	125	52	46	49	20
Compactor (ground)	1	83	20%	300	62	55	58	5	325	47	40	43	20
Roller	1	80	20%	550	54	47	50	5	500	40	33	36	20
Site Amenities					69	63				52	46		
Tractor/Loader/Backhoe	1	80	25%	100	69	63	66	5	125	52	46	49	20
Maximum Overlapping Noise Le	evels	-	-		73	66				56	50		
Maximum Combined Noise Leve	els				75	71				58	54		

Source for Ref. Noise Levels: LA CEQA Guides, 2006 & FHWA RCNM, 2005

Summary		
File Name on Meter	R1	
File Name on PC	SLM_0004983_LxT_Data_089.02.ldbin	
Serial Number	0004983	
Model	SoundTrack LxT [®]	
Firmware Version	2.302	
User		
Location	Wingate Park	
Job Description	-	
Note		
Measurement		
Description		
Start	2020-11-05 09:48:48	
Ston	2020-11-05 10:03:48	
Duration	00:15:00 0	
Bun Timo	00:15:00.0	
Run Time	00:15:00.0	
rause	00.00.00.0	
Pre Calibration	2020-11-05 09:40:14	
Post Calibration	None	
Calibration Deviation	None	
Overall Settings		
RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Breamp	PRMI vT1	
Microphone Correction	Off	
Interrotion Method	Exponential	
Overlead		
Overload	144.0 UB	6 7
Under Banga Back	A 100.0	
Under Range Feak	100.9	97.9 102.9 dB
Neise Floer	49.9	47.9 55.9 UB
	50.7	57.4 45.0 UB
Results		
Results LAseq	72.2 dB	
Results LASeq LASE	72.2 dB 101.7 dB	
Results LASeq LASE EAS	72.2 dB 101.7 dB 1.647 mPa²h	
Results LASeq LASE EAS EAS8	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h	
Results LAseq LASE EAS EAS8 EAS40	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h	
Results LASeq LASE EAS EAS8 EAS40 LApeak (max)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04	110.7 dB
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 09:54:04	110.7 dB 93.4 dB
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 09:54:04 2020-11-05 10:00:47	110.7 dB 93.4 dB 53.7 dB
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB	110.7 dB 93.4 dB 53.7 dB
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB	110.7 dB 93.4 dB 53.7 dB
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s
Results LASeq LASE EAS EAS EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s
Results LASeq LASE EAS EAS EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s
Results LASeq LASE EAS EAS EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s
Results LASeq LASE EAS EAS EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 0 0 0	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s
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Results LASeq LASE EAS EASB EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 81.3 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 81.3 dB 72.2 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s
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Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmax LASmax LAS LAS LAS EAS LAS	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LAseq LAseq LAseq	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB 75.2 dB 75.2 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmax LASmax LASmax LASmax LASmax LASmax LASmax LASmax LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LAseq LCSeq - LAseq LAleq LAleq LAleq	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB 75.2 dB 72.2 dB 31. dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmax LASmax LASmax LASmax LASmax LASmax LASmax LASmax LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LAseq LAleq LAleq LAleq LAleq	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB 72.2 dB 3.1 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LAseq LAseq LAleq - LAseq LAleq - LAeq	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB 72.2 dB 3.1 dB 72.2 dB 3.1 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 10.5 s 10.5 s 10.5 s 10.5 s 10.5 s 10.6 s 10.7 s 10.8 Time Stamp dB Time Stamp
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmax LASmax LAS LAS SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LAleq LAleq LAleq LAleq LAleq LAleq	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB 72.2 dB 3.1 dB 10 10 10 10 10 10 10 10 10 10	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 10.5 s 10.5 s 10.5 s 0.0 s 0.0 s 0.0 s 10.0 s <
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmax LASmax LAS LAS EAS EAS0 LApeak (max) LASmax LAseq LAseq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAseq LAleq LAleq LAleq LAleq <	72.2 dB 101.7 dB 1647 mPa²h 52.710 mPa²h 263.549 mPa²h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 0 0 0 11.3 dB 72.2 dB 9.1 dB 75.2 dB 72.2 dB 3.1 dB	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 10.5 s 0.0 s 0.0 s 0.0 s 0.0 s 10.5 s 10.5 s 10.5 s 0.0 s 0.0 s 10.5 s 10.6 s 10.7 s 10.8 Time Stamp 10.9 Here 10.9 Here <
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmax LASmax LAS LAS SEA LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LAseq L	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB 9.1 dB 75.2 dB 3.1 dB A M M M M M M M M M M M M M	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s </th
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LSeq LAseq LAseq LAleq LAeq LAeq LAeq LS(min) LPeak(max)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 10 10 10.7 2020/11/05	110.7 dB 93.4 dB 53.7 dB 10.5 s 10.5 s 0.0 s<
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LCSeq - LAseq LAleq LAeq LAleq LAeq Leq(max)	72.2 dB 101.7 dB 1.647 mPa ² h 52.710 mPa ² h 263.549 mPa ² h 2020-11-05 09:54:04 2020-11-05 10:00:47 -99.9 dB 3 0 0 0 0 81.3 dB 72.2 dB 9.1 dB 75.2 dB 72.2 dB 9.1 dB 75.2 dB 72.2 dB 3.1 dB 75.2 dD 75.2 dB 75.2 dD 75.2 dD 75	110.7 dB 93.4 dB 53.7 dB 10.5 s 0.0 s 10:00:47 0.1 s 0:54:04 10:00:47 0:54:04

Overload Duration

Cummon /						
File Name on Meter	 D٦					
File Name on DC	KZ					
File Name on PC	SLIVI_0004985_LX1_Data_090.02.100111					
Serial Number	CoundTrackLyT®					
Firmware Version	Sound Frack LXT -					
	2.302					
User						
Location	Wingate Park					
Job Description						
Note						
Measurement						
Description						
Start	2020-11-05 10:06:46					
Ston	2020 11 05 10:00:40					
Duration	00.15.00.0					
Pun Time	00:15:00.0					
Pause	00.15.00.0					
	00.00.00.0					
Pre Calibration	2020-11-05 09:40:13					
Post Calibration	None					
Calibration Deviation						
Overall Settings						
RMS Weight	A Weighting					
Peak Weight	A Weighting					
Detector	Slow					
Preamp	PRMLxT1					
Microphone Correction	Off					
Integration Method	Exponential					
Overload	144.6 dB					
	А	С	z			
Under Range Peak	100.9	97.9 1	.02.9 dB			
Linder Pange Limit	40.0	47.0	55 0 dB			
	43.5	47.9	JJ.5 UD			
Noise Floor	36.7	47.9 37.4	45.0 dB			
Noise Floor	36.7	37.4	45.0 dB			
Noise Floor	36.7	47.9 37.4	45.0 dB			
Results	36.7	47.9 37.4	45.0 dB			
Results LASeq	36.7 67.0 dB	47.9 37.4	45.0 dB			
Results LASeq LASE	67.0 dB 96.5 dB	47.9 37.4	45.0 dB			
Results LASeq LASE EAS	43.5 36.7 67.0 dB 96.5 dB 501.998 μPa²h	47.9 37.4	45.0 dB			
Results LASeq LASE EAS EAS8	43.3 36.7 67.0 dB 96.5 dB 501.998 μPa²h 16.064 mPa²h	47.9 37.4	45.0 dB			
Results LASeq LASE EAS EAS8 EAS40	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h	47.9 37.4	45.0 dB			
Results LASeq LASE EAS EAS8 EAS40 LApeak (max)	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25	47.9 37.4 94.8 dB	45.0 dB			
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06	47.9 37.4 94.8 dB 79.9 dB	45.0 dB			
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin	36.7 36.7 67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09	94.8 dB 79.9 dB 48.6 dB	45.0 dB			
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB	94.8 dB 79.9 dB 48.6 dB	45.0 dB			
Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB	94.8 dB 79.9 dB 48.6 dB	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration)	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB	94.8 dB 79.9 dB 48.6 dB	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LASmax LASmin SEA LAS EAS EAS8 EAS40 LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration)	67.0 dB 96.5 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB 0 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration)	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB 0 0 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration)	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB 0 0 0 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS LASeq LASE EAS EAS40 LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration)	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB 0 0 0 0 0 0 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS LASeq LASE EAS EAS40 LApeak (max) LASmax LASmax LAS EAS EAS LAS SEA LAS LAS<	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB 0 0 0 0 0 0 0 0	94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LAsen	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LAS > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LCSeq LASeq LCSeq LASeq	43.3 36.7 36.7 96.5 dB 90.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:15:09 2020-11-05 10:15:09 -99.9 dB 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS40 LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LAseq LAseq LAseq LAseq LAseq	43.3 36.7 36.7 96.5 dB 90.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:15:09 2020-11-05 10:15:09 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LAseq LCSeq LAseq LCSeq LAseq LAseq LAseq LAseq	43.3 36.7 36.7 96.5 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:11:25 2020-11-05 10:15:09 -99.9 dB 0 16.67.0 dB 67.0 dB	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS40 LApeak (max) LASmax LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LAleq LAleq LAleq LAleq LAleq	- 43.3 36.7 36.7 67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:11:25 2020-11-05 10:15:09 -99.9 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			
Noise Floor Results LASeq LASE EAS EAS40 LApeak (max) LASmax LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LAS > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LCSeq - LASeq LAleq LAeq	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:11:25 2020-11-05 10:15:09 -99.9 dB 0 0 0 0 0 74.3 dB 67.0 dB 7.3 dB 69.0 dB 67.0 dB 7.0 dB	47.9 37.4 94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB			Ζ
Noise Floor Results LASeq LASE EAS EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LAS > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LCSeq LASeq LAseq LAleq LAeq	43.3 36.7 36.7 67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:11:25 2020-11-05 10:15:09 -99.9 dB 0	94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	45.0 dB	Stamp	dB	Z Time Stamp
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmin SEA LAS LAS LAS LAS EAS LASmin SEA LAS > 115.0 dB (Exceedance Counts / Duration) LAS > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LCSeq LASeq LAeq LAeq LAeq LAeq	43.3 36.7 36.7 67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:12:06 2020-11-05 10:15:09 2020-11-05 10:15:09 0	94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	С <u>dB</u> Тіте	Stamp	dB	Z Time Stamp
Noise Floor Results LASeq LASE EAS EASB EAS40 LApeak (max) LASmin SEA LAS LAS LASmin SEA LAS LAS LAS LASmin SEA LAS LASeq LAPEak > 137.0 dB (Exceedance Counts / Duration) LAPEak > 140.0 dB (Exceedance Counts / Duration) LASeq LASeq LASeq LASeq LAPEak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LAleq LAle	67.0 dB 96.5 dB 501.998 μPa ² h 16.064 mPa ² h 80.320 mPa ² h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 -99.9 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	С dB Тіте	Stamp	dB	Z Time Stamp
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LCSeq LAseq LAleq LAeq LSeq LAseq	43.3 36.7 36.7 36.7 67.0 dB 96.5 dB 501.998 µPa²h 16.064 mPa²h 80.320 mPa²h 2020-11-05 10:11:25 2020-11-05 10:15:09 2020-11-05 10:15:09 2020-11-05 10:15:09 0 168 7.3 dB 69.0 dB 67.0 dB	94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s	С	Stamp	dB	Z Time Stamp
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LAS > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCSeq LASeq LCSeq LAseq LAleq LAeq Laeq <th>43.3 36.7 36.7 36.7 36.7 96.5 dB 96.5 dB 501.998 µPa²h 16.064 mPa²h 80.320 mPa²h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 0 10:15:0</th> <th>94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s</th> <th>C dB Time</th> <th>Stamp</th> <th>dB</th> <th>Z Time Stamp</th>	43.3 36.7 36.7 36.7 36.7 96.5 dB 96.5 dB 501.998 µPa²h 16.064 mPa²h 80.320 mPa²h 2020-11-05 10:11:25 2020-11-05 10:21:06 2020-11-05 10:15:09 0 10:15:0	94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s	C dB Time	Stamp	dB	Z Time Stamp
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LAPeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LASeq LCSeq LASeq LCSeq LAseq LAleq LAseq LAleq LAeq Leq(max)	67.0 dB 96.5 dB 96.5 dB 501.998 µPa²h 16.064 mPa²h 80.320 mPa²h 2020-11-05 10:11:25 2020-11-05 10:11:5:09 2020-11-05 10:11:5:09 2020-11-05 10:11:5:09 0 -99.9 dB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 10 0 0 10 0 0 10 0 0	94.8 dB 79.9 dB 48.6 dB 0.0 s 0.0 s	C dB Time	Stamp I	dB	Z Time Stamp

Overload Duration

Summary						
File Name on Meter	β3					
File Name on PC	SLM 0004983 LxT Data 09	1.02.ldbin				
Serial Number	0004983	1.02.10511				
Model	SoundTrack LxT®					
Firmware Version	2.302					
User						
Location	Wingate Park					
Job Description						
Note						
Measurement						
Description						
Start	2020-11-05 10:27:16					
Stop	2020-11-05 10:42:16					
Duration	00:15:00.0					
Run Time	00:15:00.0					
Pause	00:00:00.0					
Pre Calibration	2020-11-05 00-10-12					
Post Calibration	2020-11-05 09:40:13					
Calibration Deviation	NOTE					
Overall Settings						
RMS Weight	A Weighting					
Peak Weight	A Weighting					
Detector	Slow					
Preamp	PRMLxT1					
Microphone Correction	Off					
Integration Method	Exponential					
Overload	144.6	dB				
	А	C	Z			
Under Range Peak	100.9	97.9	102.9	dB		
Under Range Limit	49.9	47.9	55.9	dB		
Noise Floor	36.7	37.4	45.0	dB		
Noise Floor	36.7	37.4	45.0	dB		
Noise Floor	36.7	37.4	45.0	dB		
Noise Floor Results	36.7	37.4 dB	45.0	dB		
Noise Floor Results LAseq LASE	36.7 66.8 96.4	dB dB	45.0	dB		
Noise Floor Results LAseq LASE EAS	36.7 66.8 96.4 483.021	dB dB uPa²h	45.0	dB		
Noise Floor Results LAseq LASE EAS EAS8	36.7 66.8 96.4 483.021 15.457	dB dB µPa²h mPa²h	45.0	dB		
Noise Floor Results LAseq LASE EAS EAS8 EAS40	36.7 66.8 96.4 483.021 15.457 77.283	dB dB μPa²h mPa²h mPa²h	45.0	dB		
Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max)	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36	37.4 dB dB μPa²h mPa²h mPa²h 94.5 94.5	45.0 dB	dB		
Noise Floor Results LAseq LASE EAS EAS8 EAS8 EAS40 LApeak (max) LASmax	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36 2020-11-05 10:36:33	dB dB μPa ² h mPa ² h mPa ² h 94.5 79.8	dB dB	dB		
Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36 2020-11-05 10:36:33 2020-11-05 10:30:07	dB dB μPa ² h mPa ² h mPa ² h 94.5 79.8 51.5	dB dB dB	dB		
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10.36:36 2020-11-05 10.36:33 2020-11-05 10.30:07 -99.9	dB dB μPa ² h mPa ² h 94.5 79.8 51.5 dB	dB dB dB	dB		
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10.36:36 2020-11-05 10.36:33 2020-11-05 10.30:07 -99.9	dB dB μPa ² h mPa ² h mPa ² h 94.5 79.8 51.5 dB	dB dB dB	dB		
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration)	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36 2020-11-05 10:36:33 2020-11-05 10:30:07 -99.9	dB dB μPa ² h mPa ² h 94.5 79.8 51.5 dB	dB dB dB dB	dB		
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration)	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36 2020-11-05 10:36:33 2020-11-05 10:30:07 -99.9 0 0	dB dB μPa ² h mPa ² h 94.5 79.8 51.5 dB 0.0 0.0	dB dB dB s s	dB		
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Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration)	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36 2020-11-05 10:36:33 2020-11-05 10:30:07 -99.9 0 0 0 0 0 0	dB dB μPa ² h mPa ² h 94.5 79.8 51.5 dB 0.0 0.0 0.0 0.0	dB dB dB dB s s s s s s	dB		
Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration)	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36 2020-11-05 10:36:33 2020-11-05 10:30:07 -99.9 0 0 0 0 0 0 0 0 0	dB dB μPa ² h mPa ² h mPa ² h 94.5 79.8 51.5 dB 0.0 0.0 0.0 0.0 0.0 0.0	dB dB dB dB s s s s s s s s s	dB		
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Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 115.0 dB (Exceedance Counts / Duration) LApeak > 135.0 dB (Exceedance Counts / Duration) LApeak > 137.0 dB (Exceedance Counts / Duration) LApeak > 140.0 dB (Exceedance Counts / Duration) LCseq LAseq LCseq - LAseq LCseq - LAseq	36.7 66.8 96.4 483.021 15.457 77.283 2020-11-05 10:36:36 2020-11-05 10:30:07 -99.9 0 0 0 0 0 72.9 66.8 6.1 -22.9 10.25 10.2	dB dB μPa ² h mPa ² h 94.5 79.8 51.5 dB 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	dB dB dB dB s s s s s s s s	dB		
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Sure	P.4					
File Name on DC	K4 SLM 0004082 Lyt Data 002	02 Idhin				
File Name on PC	SLIVI_0004983_LX1_Data_092.	.02.10010				
Serial Number						
Simmer Manian	Sound Hack LXI -					
Firmware version	2.302					
User						
Location	wingate Park					
Job Description						
Note						
Massurement						
Description						
Start	2020-11-05 11:05:22					
Ston	2020-11-05 11:05:22					
Duration	00:15:00.0					
Bun Time	00:15:00.0					
Pause	00.00.00 0					
	00000000					
Pre Calibration	2020-11-05 09:40:13					
Post Calibration	None					
Calibration Deviation						
Overall Settings						
RMS Weight	A Weighting					
Peak Weight	A Weighting					
Detector	Slow					
Preamp	PRMLxT1					
Microphone Correction	Off					
Integration Method	Exponential					
Overload	144.6 di	В				
	А		c z			
Under Range Peak	100.9	97.	9 102.9	dB		
Under Range Limit	49.9	47.	9 55.9	dB		
Noise Floor	36.7	37.	4 45.0	dB		
Noise Floor	36.7	37.	4 45.0	dB		
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Noise Floor Results LASeq LASE	36.7 53.1 d 82.6 d	37. B B 2 ⁷¹	4 45.0	dB		
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Noise Floor Results LASeq LASE EAS EAS8 EAS8	36.7 53.1 di 82.6 di 20.364 μ 651.639 μ	37. B B Pa²h Pa²h	4 45.0	dB		
Noise Floor Results LASeq LASE EAS EAS8 EAS40	36.7 53.1 di 82.6 di 20.364 μ 651.639 μ 3.258 m	37. B Pa²h Pa²h nPa²h	4 45.0	dB		
Noise Floor Results LASeq LASE EAS EAS8 EAS40 LApeak (max)	36.7 53.1 dl 82.6 dl 20.364 μ 651.639 μ 3.258 m 2020-11-05 11:18:13	37. B Pa²h Pa²h nPa²h nPa²h 90.	4 45.0	dB	_	
Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max) LASmax	36.7 53.1 dl 82.6 dl 20.364 µ 651.639 µ 3.258 m 2020-11-05 11:18:13 2020-11-05 11:18:13	37. B BPa²h Pa²h Pa²h nPa²h 90. 69.	4 45.0 0 dB 3 dB	dB		
Noise Floor Results LAseq LASE EAS8 EAS40 LApeak (max) LASmin CELA	36.7 53.1 dl 82.6 dl 20.364 µ 651.639 µ 3.258 m 2020-11-05 11:18:13 2020-11-05 11:18:13 2020-11-05 11:14:22	37. B B Pa²h Pa²h Pa²h Pa²h 90. 69. 43.	4 45.0 0 dB 3 dB 1 dB	dB		
Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA	36.7 53.1 dl 82.6 dl 20.364 µ 651.639 µ 3.258 m 2020-11-05 11:18:13 2020-11-05 11:18:13 2020-11-05 11:14:22 -99.9 dl	37. B B Pa ² h Pa ² h nPa ² h 90. 69. 43. B	4 45.0 0 dB 3 dB 1 dB	dB		
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Noise Floor Results LAseq LASE EAS EAS8 EAS40 LApeak (max) LASmax LASmin SEA LAS > 85.0 dB (Exceedance Counts / Duration) LAS > 11E 0.4P (Exceedance Counts / Duration)	36.7 53.1 dl 82.6 dl 20.364 µ 651.639 µ 3.258 m 2020-11-05 11:18:13 2020-11-05 11:18:13 2020-11-05 11:14:22 -99.9 dl 0	37. B B Pa ² h Pa ² h nPa ² h 90. 69. 43. B 0.	4 45.0 0 dB 3 dB 1 dB	dB		
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Wingate Park EWMP

Vibration Level Calculations Based on Federal Transit Administration, Office of Planning and Environment

			N =		1.5
		Equipment	Distance to	Estimated	Estimated
Construction	Project	Peak Particle Velocity	Receptor	Velocity Decibels	Peak Particle Velocity
Equipment	Equipment	@ 25 Feet*	for < 0.5 PPV	@ Distance**	@ Distance***
		(inches/second)	(Feet)	(VdB)	(inches/second)
Unmitigated Vibration Levels					
Levels at 25ft					
Large Bulldozer or Bore/Drill Rig	Yes	0.089	25	86.9	0.089
Loaded Trucks	Yes	0.076	25	85.6	0.076
Jackhammer	Yes	0.035	25	78.8	0.035
Small Bulldozer	Yes	0.003	25	57.5	0.003
Levels at 50 ft					
Large Bulldozer or Bore/Drill Rig	Yes	0.089	50	77.9	0.031
Loaded Trucks	Yes	0.076	50	76.5	0.027
Jackhammer	Yes	0.035	50	69.8	0.012
Small Bulldozer	Yes	0.003	50	48.5	0.001
Levels at 100 ft					
Large Bulldozer or Bore/Drill Rig	Yes	0.089	100	68.9	0.011
Loaded Trucks	Yes	0.076	100	67.5	0.010
Jackhammer	Yes	0.035	100	60.8	0.004
Small Bulldozer	Yes	0.003	100	39.4	0.000

Source:

Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.

Notes:

* Values taken from Table 7-4.

** Based on the formula VdB = 20 x LOG10 (v/v_{ref}), where v_{ref} is equal to 1×10^{-6} in/sec (see page 111).

The approximate rms vibration velocity level (v) is calculated from PPV using a crest factor of 4 (see page 184).

*** Based on the formula PPV(D) = PPV(25 ft) x $(25/D)^{N}$, where D is equal to the distance (see page 185).

N = soil type classification factor (typically ranges from 1 to 1.5)

Appendix J Traffic Memorandum





MEMORANDUM

To:	Brian Allee Environmental Science Associates	Date:	December 10, 2020
From:	Clare M. Look-Jaeger, P.E. Francesca S. Bravo	LLG Ref:	1-20-4407-1
	Linscott, Law & Greenspan, Engineers		
Subject:	Wingate Park Regional Enhanced Watersh Construction Trip Generation	ed Manag	ement Plan –

Linscott, Law & Greenspan, Engineers (LLG) has prepared this memorandum to summarize the trip generation forecast for the proposed Wingate Park Regional Enhanced Watershed Management Plan (EWMP) project as it relates to project construction.

PROJECT DESCRIPTION

The project site is located within the eastern portion of Wingate Park (formerly Kahler Russell Park), a City owned 17-acre regional park developed in 1986. Wingate Park is located at 734 North Glendora Avenue in the City of Covina within the San Gabriel Valley of the County of Los Angeles. Wingate Park is generally bounded by the Southern Pacific Railroad to the north; Charter Oak Creek to the south, Glendora Avenue to the east; and Grand Avenue to the west. The project site location and general vicinity are shown in *Figure 1*.

The Wingate Park Regional Enhanced Watershed Management Plan (EWMP) Project was included in the Upper San Gabriel River (USGR) EWMP Group Plan prepared in June 2015 and revised in January 2016. The EWMP Group is comprised of Los Angeles County, Los Angeles County Flood Control District (LACFCD), and the cities of Baldwin Park, Covina, Glendora, Industry, La Puente, and West Covina (Group Members). Based on the initial screen process and through coordination with the Group Members, eight "signature" regional EWMP project sites, including the Wingate Park, were selected for conceptual design and inclusion in the EWMP Plan. These example regional EWMP projects retain and infiltrate, or beneficially reuse stormwater runoff to address priority pollutants identified in the Reasonable Assurance Analysis (RAA) and EWMP. The Wingate Park EWMP Project was approved for inclusion into the USGR Integrated Regional Watershed Management Plan (IRWMP).

The Project will capture, treat, and infiltrate an average of approximately 658 acrefeet (AF) of urban runoff and stormwater from various land uses within the cities of Covina (35 percent), Glendora (20 percent) and San Dimas (11 percent), as well as the surrounding unincorporated areas of Los Angeles County (34 percent). Capture, treatment, and infiltration of runoff and stormwater will allow this water to contribute to groundwater recharge and replenishment to local aquifers that are used as sources of water to offset water transported from more distant resources. The Project will divert runoff from Charter Oak Wash, just downstream of the 69-inch reinforced concrete pipe (RCP) and 6-foot by 6-foot (6'x 6') double reinforced concrete box (RCB) storm drain confluence, into a 36-inch diameter pipe from the storm drain to a LINSCOTT LAW & GREENSPAN engineers

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pretreatment device to remove pollutants, sediment, and trash debris, with flow entering an underground infiltration gallery via gravity. The overall site plan for the proposed project is illustrated in *Figure 2*.

Construction of the Project is anticipated to start in June 2021, with a build-out date of December 2022. Demolition of the Project includes removal of the existing pavement and base material in the parking lot and removal of the existing concrete sidewalk adjacent to the parking lot. The demolition plan for the project is illustrated in *Figure 3*. The Project is proposing approximately 22,600 cubic yards of cut and 1,130 cubic yards of fill, resulting in approximately 21,470 cubic yards of soil export. A total of 25 personnel is anticipated for the entire duration of the construction of the Project. Park facilities to the west of the grass playing field would remain open and available for park users during construction of the Project. The parking lot along North Glendora Avenue would also remain open to the public. The area surrounding the parking lot and grass playing field would be secured with construction fencing and would be closed to the public.

All stormwater and drainage facilities and equipment will be installed underground with the ground level restored to near existing conditions. Post construction, the park amenities and recreational features including the parking lot within the Project Site would be restored. Potential improvements to park amenities and features within the Project Site and immediate Project area include a multi-purpose field (i.e., soccer, baseball) with lighting to be located where the existing grass playing field exists today, park trails/walking loop with lighting, natural play areas, and two electric vehicle (EV) charging stations within the parking lot.

CONSTRUCTION TRIP GENERATION

Project construction would take place for approximately 18 months, from June 2021 through December 2022. The construction consists of the following six general activities: I) Demolition, II) Site Preparation, III) Grading/Excavation, IV) Drainage/Utilities/Subgrade, Foundations/Concrete Pour. V) and VI) Paving/Landscaping. Based on the review of the construction details and earthwork quantities, it has been determined that the most intensive period of overall construction activity and construction traffic generation during the weekday AM and PM peak hours would occur during the grading/excavation phase (Phase III). This peak construction activity is expected to occur over an approximate two-month period. Other construction activities such as paving/landscaping are expected to be less intensive in terms of overall construction traffic generation.

Project construction would generate traffic from construction worker travel, the arrival and departure of trucks delivering construction materials to the site, and the removal of debris generated by on-site demolition and site grading/excavation activities. Both the number of construction workers and trucks would vary throughout the construction process.

The City's Ordinance currently limits construction hours to no earlier than 7:00 AM and no later than 5:00 PM on Mondays to Fridays. Construction on Saturdays would require pre-approval by the City Engineer. No construction work will be conducted on Sundays or any recognized federal, state, or local holidays.

Peak Construction Trip Generation - AM Peak Hour

It is assumed that heavy construction equipment would be located on-site during the construction activities and would not travel to and from the project site on a daily basis. However, haul truck trips would be generated so as to remove material from the site and import material to the site. Based on information provided by the Project team, it is anticipated that the export of construction debris and the export of excavation material will be transported via arterial roadways to the regional freeway system. The potential haul route would consist of Glendora Avenue north to East Gladstone Street (1.4 miles) and west to the Azusa Landfill (3.5 miles), subject to review and approval by the City of Covina.

It is anticipated that construction vehicles related to the export activities will have a capacity of 16 cubic yards per truck. The export period is assumed to require approximately 40 work days, which represents a duration of approximately 2 months. Based on the maximum export of 22,600 cubic yards of material for the grading/excavation phase of project construction and 40 work days, an average of up to 36 trucks per day (i.e., 36 inbound trucks and 36 outbound trucks) are anticipated (i.e., 565 cubic yards per day/16 cubic yards per truck = 36 trucks [loads rounded upwards] per day). Assuming a total of 10 hours of hauling activities each day, it is estimated that approximately four (4 rounded upwards) truck loads (i.e., resulting in four inbound truck trips and four outbound truck trips) would occur per hour. With application of a passenger car equivalency (PCE) factor of 2.5 to account for the heavier weight and larger size haul trucks, a total of 10 inbound PCE trips and 10 outbound PCE trips could potentially occur during the weekday AM peak hour (i.e., 4 trucks x 2.5 PCE = 10 inbound PCE trips and 10 rounded outbound PCE trips). While the estimate of the number of construction workers has been provided during this phase (i.e., 10 workers for the grading/excavation phase), and since the construction workday commences at 7:00 AM, workers are expected to arrive at the site prior to 7:00 AM and thus travel outside of the commuter AM peak hour.

Peak Construction Trip Generation - PM Peak Hour

It has been determined that the most intensive period of overall construction activity and construction traffic generation during the weekday PM peak hour is also expected to occur under Phase III during the grading/excavation phase. Based on information provided by the project team, a total of 10 construction workers can be expected during the peak days and these workers are expected to be able to park their trucks/vehicles on-site. It is also anticipated that construction workers would primarily remain on-site throughout the day. The number of construction worker

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vehicles is estimated using an average vehicle ridership (AVR) of 1.135 persons per vehicle (as provided in the South Coast Air Quality Management District in its CEQA Air Quality Handbook). Therefore, it is estimated that approximately 18 vehicle trips (9 inbound trips and 9 outbound trips) on a daily basis would be generated to/from the site by the construction workers during this peak phase. In order to provide a conservative analysis, regardless of the ending construction hours, it has been assumed that fifty percent (50%) of all workers would leave the construction site during the PM peak hour. This is conservative in that the typical workday is expected to end at 3:30 PM. Therefore, for purposes of this assessment a total of five (5) outbound construction worker trips, then 9 workers x 0.50 [50 percent leave the site during the PM peak hour] = five (5) outbound worker trips) have been assumed to overlap with the commuter PM peak hour.

It is generally anticipated that construction worker-related traffic would be largely freeway oriented. Construction workers would likely arrive and depart via the onand off-ramps serving the I-210 and I-10 Freeways. The most commonly used freeway ramps would be nearest the project site. The construction work force would likely be generated from all parts of the Los Angeles region and are, thereby assumed to arrive from all directions. This general distribution (i.e., 80 percent on the freeways and 20 percent on local roadways) could potentially result in approximately two vehicles (20% x 5 outbound trips = 1 vehicle trip) at any one study intersection near the project site during the weekday commuter PM peak hour.

As stated above, a peak generation of up to 36 haul trucks per day could occur with a maximum generation of 4 trucks per hour (i.e., assuming a 10-hour work day). When accounting for the application of a PCE factor of 2.5 to account for the heavier weight and larger size trucks, a total of 10 inbound PCE trips and 10 outbound PCE trips could potentially occur during the PM peak hour. Taken together, the construction worker vehicles and haul trucks during the peak phase of the grading/excavation phase are forecast to generate up to 25 weekday PM peak hour vehicle trips (i.e., 10 inbound trips and 15 outbound trips).

Peak Construction Trip Generation Summary

The total AM peak hour traffic generation during construction is forecast to total 20 PCE-adjusted vehicle trips (i.e., 10 inbound trips and 10 outbound trips). The total PM peak hour traffic generation during construction is forecast to total 25 PCE-adjusted vehicle trips (15 inbound trips and 10 outbound trips). Over a 24-hour period, the construction of the proposed project is expected to generate 198 daily trip ends during the peak construction activities. A summary of the traffic generation associated with peak construction activities is provided in *Table 1*.

LINSCOTT LAW & GREENSPAN engineers

Please feel free to call us with any questions or comments at 626.796.2322.

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Wingate Park Regional Enhanced Watershed Management Plan (EWMP) Project



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Wingate Park Regional Enhanced Watershed Management Plan (EWMP) Project



Wingate Park Regional Enhanced Watershed Management Plan (EWMP) Project

TABLE 1 CONSTRUCTION PEAK HOUR TRIP GENERATION [1]

		AM V	I PEAK HO OLUMES	UR [2]	PM V	PEAK HO OLUMES	UR [2]
GENERATOR TYPE	DAILY	IN	OUT	TOTAL	IN	OUT	TOTAL
Workers [3]	18				0	5	5
Truck Trips [4]	72	4	4	8	4	4	8
PCE-Adjusted Truck Trips [5]	180	10	10	20	10	10	20
TOTAL PCE-ADJUSTED TRIPS	198	10	10	20	10	15	25

[1] Project construction information provided by the City of Covina and Environmental Science Associates.

[2] Trips are one-way traffic movements, entering or leaving.

[3] A total of 10 workers is anticipated at the project site during the grading/excavation phase. Based on an average vehicle ridership (AVR) of 1.135 persons per vehicle, 18 vehicles would be generated by the construction workers. Workers are expected to arrive before the 7:00 AM shift start time (outside of the AM peak hour). During the PM peak hour, it is assumed that fifty percent (50%) of the workers will depart the site, therefore a total of 5 outbound trips are anticipated to occur (10 workers x 50% = 5 outbound trips).

[4] Truck trips during the grading/excavation phase were derived based on the following: Daily Truck Loads = 22,600 cy / 40 work days / 16 cy per truck = 36 loads per day Daily Truck Trips = 36 loads * 2 trips/day = 72 truck trips per day Peak hour truck trips = 72 trips per day/10 hours = 8 trips per hour

[5] A passenger car equivalency (PCE) factor of 2.5 was employed for analysis purposes. This accounts for the assumption that a truck has the same overall effect on intersection traffic operations as 2.5 passenger cars.