

# **Initial Study/Negative Declaration**

## **Mt. San Antonio College Transit Center**

Prepared for | Mt. San Antonio College  
1100 North Grand Avenue  
Walnut, California 91789

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September 2018



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## SECTION 1.0 INTRODUCTION

### 1.1 PURPOSE OF THE INITIAL STUDY

The purpose of this Initial Study (IS) is to (1) describe the Mt. San Antonio College Transit Center project (hereinafter referred to as the “proposed project”), which is located on the campus of Mt. San Antonio College (Mt. SAC) in Walnut, Los Angeles County, California; and (2) provide an evaluation of potential environmental effects associated with the proposed project’s construction and use. This IS has been prepared pursuant to the California Environmental Quality Act (CEQA), as amended (*California Public Resources Code* §21000 et seq.) and in accordance with the State CEQA Guidelines (*California Code of Regulations* §15000 et seq.).

Pursuant to Section 15367 of the State CEQA Guidelines, Mt. San Antonio Community College District (District) is the lead agency for the project. The lead agency is the public agency that has the principal responsibility for carrying out or approving a project that may have a significant effect on the environment. The District, as the lead agency, has the authority for project approval and certification of the accompanying environmental documentation.

### 1.2 SUMMARY OF FINDINGS

This IS is based on the Environmental Checklist Form (Form) included in Appendix G of the 2018 State CEQA Guidelines. The Form is found in Section 3.1 of this IS. It contains a series of questions about the proposed project for each of the listed environmental topics. The Form is used to evaluate whether or not any potentially significant environmental effects are associated with implementation of the proposed project based on the adopted Mt. SAC 2016 CEQA Thresholds of Significance. The explanation for each answer is included in Section 3.1.

The Form is used to review the potential environmental effects of the proposed project for each of the following areas:

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

The proposed project incorporates mitigation measures (MMs) from the 2015 Facilities Master Plan Update (FMPU) and Physical Education Projects (PEP) Final Supplemental EIR which are assumed in the analysis presented this IS and restated in Section 5.0 of this document. These MMs are applicable campus wide and applicable MMs have been identified in the analysis presented in the IS. As identified through the analysis presented in this IS, the proposed project would have no impacts or less than significant impacts related to aesthetics; agriculture and

forestry resources; air quality; biological resources; cultural resources; geology and soils; greenhouse gas emissions; hazards and hazardous materials; hydrology and water quality; land use; mineral resources; noise population and housing; public services; recreation; transportation/traffic; tribal cultural resources; and utilities/service systems. Based on this analysis, no project-specific mitigation measures would be required for project implementation.

According to the State CEQA Guidelines, a Negative Declaration (ND) is appropriate if the proposed project will not have a significant impact on the environment after incorporation of mitigation measures in the project. Based on the available project information and the environmental analysis presented in this document, there is no substantial evidence that, after incorporation of mitigation measures, the proposed project would have a significant impact on the environment.

### **1.3 PUBLIC REVIEW**

This IS and proposed ND have been circulated by the State Office of Planning and Research (State Clearinghouse) for review by State agencies and to any responsible agencies, trustee agencies, and interested parties, as required by CEQA. A Notice of Intent to adopt the proposed ND for review and comment has been published in a newspaper of local circulation (Inland Valley Daily Bulletin and San Gabriel Valley Tribune). The environmental documentation is also available for review on Mt. SAC's and Foothill Transit's websites:

<http://www.mtsac.edu/construction/reports-and-publications/environmental-impact-reports.html>

<http://foothilltransit.org/news/press-releases/>

In addition, hard copies of the IS are available for public review at the following locations:

Walnut Public Library  
Reference Desk  
21155 La Puente Avenue  
Walnut, California 91789

Mt. San Antonio College Library  
Building 6, Library, 2<sup>nd</sup> floor, Reference Desk  
1100 North Grand Avenue  
Walnut, California 91789

A 30-day public review period has been established for the IS and the proposed ND. The review period has been established in accordance with Section 15073 of the State CEQA Guidelines. The IS and proposed ND's 30-day review period will extend from **September 13, 2018 to October 12, 2018**. Comments regarding the IS and proposed ND must be received no later than 5:00 PM on **October 12, 2018**.

Comments on the IS and the analysis contained herein may be mailed or emailed to the following address:

Gary Nellesen, Director, Facilities Planning & Management  
Mt. San Antonio College  
1100 N. Grand Avenue  
Walnut, California 91789  
<mailto:facilitiesplanning@mtsac.edu>

Please designate a contact person in your agency and send responses to the address above.

If you have any questions about the environmental review for the proposed Transit Center, please contact Mikaela (Mika) Klein at (909) 274-5720.

Following receipt and evaluation of comments from agencies, organizations, and/or individuals, the District will determine whether any substantial new environmental issues have been raised. If so, further documentation may be required. If not, the District may adopt the ND.

#### **1.4 INITIAL STUDY ORGANIZATION**

This document has been organized into the following sections:

- **Section 1 – Introduction.** This section provides an introduction and overview describing the conclusions of the IS.
- **Section 2 – Project Description.** This section provides an overview of the proposed project location; a description of existing on-site and surrounding land uses; and key project characteristics and includes a list of anticipated discretionary actions.
- **Section 3 – Environmental Checklist.** The completed Environmental Checklist Form provides an overview of the potential impacts that may or may not result from project implementation.
- **Section 4 – Environmental Evaluation.** This section contains an analysis of environmental impacts identified in the environmental checklist.
- **Section 5 – Report Preparers.** This section identifies those individuals responsible for preparing the IS/ND.
- **Section 6 – References.** The References section identifies resources used to prepare this document.

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## SECTION 2.0 PROJECT DESCRIPTION

### 2.1 PROJECT LOCATION AND SETTING






The approximately 1.8-acre project site is located north of Temple Avenue and west of Bonita Drive in the City of Walnut, Los Angeles County, California. Local access to the project site is provided from Temple Avenue; Interstate (I-) 10, and State Routes (SR-) 57 and 60. Exhibit 1, Vicinity Map, depicts the regional location and local vicinity of the project site.

The project site is located on the Mt. San Antonio College (Mt. SAC) campus, which forms the City of Walnut's eastern boundary. The campus is located approximately 25 miles east of the City of Los Angeles, in the Pomona-Walnut Valley, and is adjacent to California State Polytechnic University, Pomona (Cal Poly Pomona). Mt. SAC serves students from within the Mt. SAC District service area as well as students from throughout the San Gabriel Valley in areas as far east as Fontana and as far west as Monterey Park.

As shown in the aerial photograph provided in Exhibit 2, Aerial Photograph, the project site is fully developed with parking and circulation uses related to the Mt. SAC campus, including a surface parking lot, driveways, and Temple Avenue, an existing 4-lane primary circulation route. The project site includes four separate project areas, as shown on Exhibit 2, Aerial Photograph: (1) Transit Center site; (2) Temple Avenue Improvements site; (3) Bollard Hardscape Improvements site; and (4) Driveway Expansion and Pedestrian Circulation Area site. For purposes of this analysis, "project site" refers to all four of these areas, while individual "sites" are referenced as site specific issues are discussed.

While the project site is generally accessible from I-10, located north of the project site, and SR-57, located east of the project site, bus service is provided by Foothill Transit. Currently, five separate bus lines operate in the vicinity of the project site at four separate bus stops: Lines 190, 194, 289, 480, and 486. Although the campus is not directly served by regional public transportation options, the nearest Metrolink station is located approximately 4 miles from campus in the City of Industry. This station is served by the Riverside Line, which connects Los Angeles Union Station to downtown Riverside. Additionally, Foothill Transit is looking at possible connections to provide bus service connections between Mt. SAC and Los Angeles County Metropolitan Transportation Authority's (Metro's) Foothill Gold Line, which currently connects Los Angeles Union Station to Azusa and is planned to extend through Glendora, San Dimas, La Verne, Pomona, Claremont, and Montclair (Metro 2018a, Metro 2018b). The planned La Verne station to the north and the Pomona station to the east will be located approximately 7 miles from campus.

The project site is surrounded by campus uses, including the Welding and Heating/Air Conditioning buildings (Building 69) to the east; the Physical Education Center (Building 27C), pool and Pool Building (Building 27B), associated surface parking, and Technology Center (Building 28A/B) building to the west; the Miracle Mile pedestrian corridor to the north; and Temple Avenue to the south. According to the recently adopted City of Walnut General Plan, the site is currently designated in the City's General Plan Land Use Plan as Schools and Public Institutional (Walnut 2018). According to the September 2012 City of Walnut Zoning Map, the project site is zoned as Mt. SAC Community College with the Civic Center Overlay and an underlying zoning of RPD – 61,700 – 0.6 DU (Walnut 2012). However, the City of Walnut is in the process of adopting a Zoning Code Amendment (ZCA) – ZCA No. 2018-01 and Zone Change (ZC) 2018-02. ZCA 2018-01 and ZC 2018-02 would establish the Schools and Public Institutional Zoning District to be consistent with the recently adopted Walnut General Plan. The Land Use Element of the Walnut General Plan has created a new land use designation that identifies public uses, such as

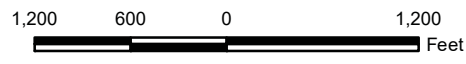
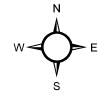
-  Mt. SAC Campus
-  Transit Center
-  Temple Avenue Improvements
-  Driveway Expansion and Pedestrian Circulation Area
-  Bollard Hardscape Improvements



Aerial Source: ESRI 2017

### Vicinity Map

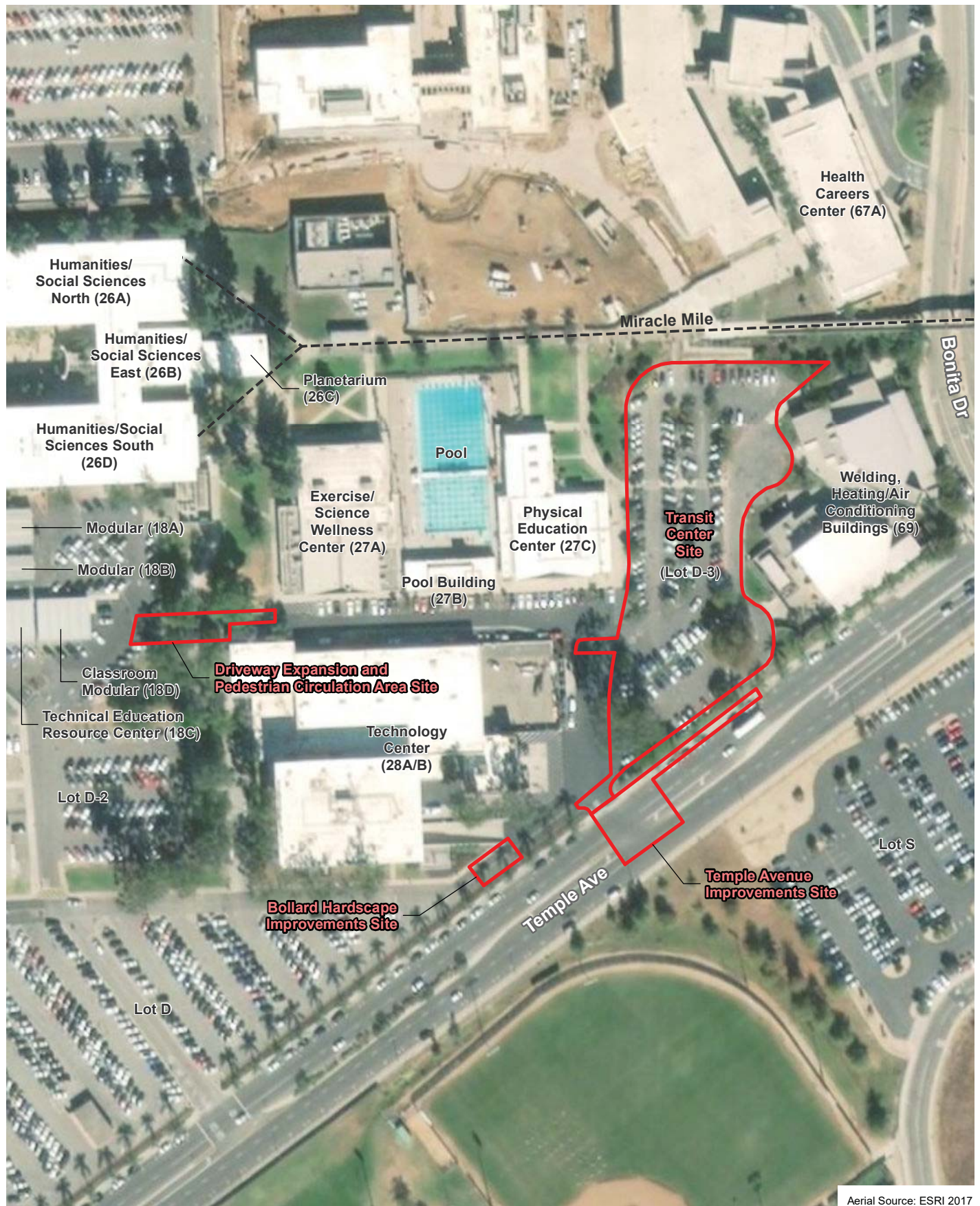
Mt. San Antonio College Transit Center



### Exhibit 1



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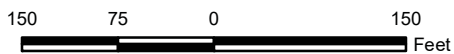
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Aerial Source: ESRI 2017

## Aerial Photograph

## Exhibit 2

*Mt. San Antonio College Transit Center*



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schools, civic center complex, and other government and utility property and uses as being included in the new Zone.

The project site is located in an area characterized by hilly terrain. The elevation at the project site varies from approximately 735 to 760 feet above mean sea level, with general surface gradients sloping from north to south. The majority of the project site exists as a relatively flat surface, with slopes along the southern and northern boundaries. The project site is located within an alluvial basin surrounded by hillsides consisting of sedimentary bedrock of the Monterey (Puente) Formation and is primarily underlain by alluvial sediments (Converse 2018).

Vegetation located in the project site is limited to ornamental species and several mature trees within landscaped areas. No natural open space is located in the project site or in the vicinity. No drainage features, wetlands, or sensitive plant communities have been identified in the project site. No federally and/or State listed as Endangered or Threatened plant or wildlife species reported in the vicinity have the potential to occur in the project site because the area does not support suitable habitat.

Runoff from the project site generally sheet flows from north to the south and is collected by a series of catch basins and storm drains that outlet to the gutter on Temple Avenue, which then gravity flows to a public, City-owned storm drain in Temple Avenue. Groundwater was encountered to a maximum depth of approximately 36 feet below ground surface (bgs) (Converse 2018).

In the vicinity of the project site, Temple Avenue is a four-lane facility (two in each direction) with a raised median. Currently, a median break and a dedicated left-turn lane in both the east- and westbound directions are located at the existing driveway to the project site. It is noted that the left-turn lane in the eastbound direction currently serves as a U-turn only. Segments of on-street parallel parking are provided along both sides of Temple Avenue in the vicinity of the project site.

## **2.2 PROJECT DESCRIPTION**

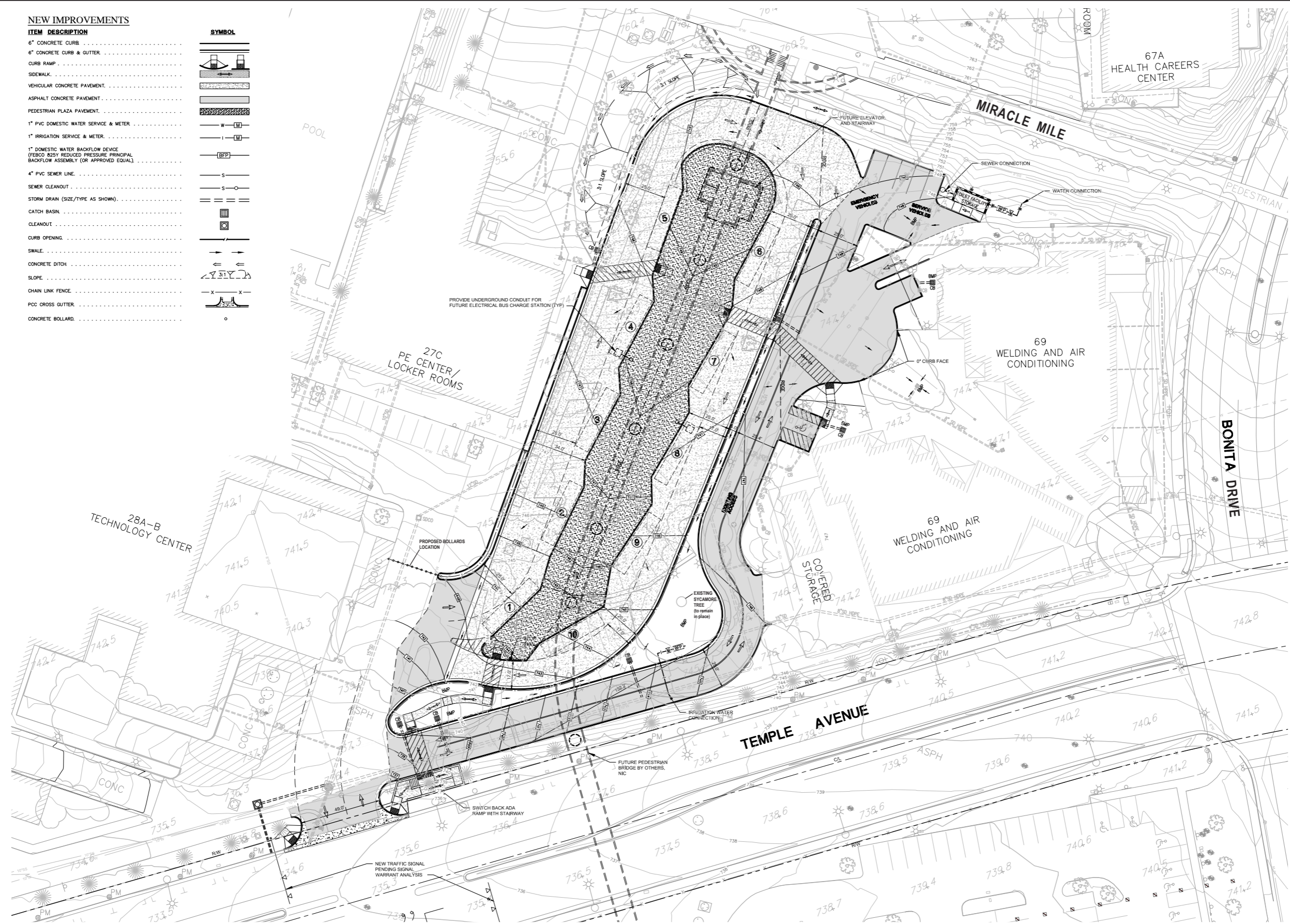
The project description is divided into four project elements, which correspond to the four different sites identified on Exhibit 2, Aerial Photograph, and as discussed previously. Each of the four project elements are detailed below. To accommodate construction activities associated with the project, asphalt and concrete associated with the existing parking lot (Lot D-3) and driveways would be demolished and removed. All landscaping and planters within the project site would be removed and graded, with the exception of the existing mature sycamore tree located in the southeastern portion of the Transit Center project site, which would be retained in place and maintained on site during project operation. Construction details are discussed in further detail below, in Section 2.2.5, Construction Activities.

### **2.2.1 TRANSIT CENTER**

The transit center element of the proposed project involves the construction of a ten-bus bay transit center on approximately 1.29 acres. The conceptual site plan for the transit center element of the proposed project is provided in Exhibit 3, Conceptual Site Plan – Transit Center. The bus bays would be located around a central bus plaza that would accommodate pedestrian loading and unloading. Bus traffic would enter the site from the existing driveway along Temple Avenue and would be directed to the west side of the bus plaza and follow a clockwise one-way route around the bus plaza. Five bus bays per side would be located on both sides of the bus plaza and would be designed to allow for the bus to pull in and pull out without needing to back up. Each bus bay would extend at least 40 feet in length to accommodate the typical Foothill Transit bus.

**NEW IMPROVEMENTS**

ITEM DESCRIPTION	SYMBOL
6" CONCRETE CURB	
6" CONCRETE CURB & GUTTER	
CURB RAMP	
SIDEWALK	
VEHICULAR CONCRETE PAVEMENT	
ASPHALT CONCRETE PAVEMENT	
PEDESTRIAN PLAZA PAVEMENT	
1" PVC DOMESTIC WATER SERVICE & METER	
1" IRRIGATION SERVICE & METER	
1" DOMESTIC WATER BACKFLOW DEVICE (FEBCO 825Y REDUCED PRESSURE PRINCIPAL BACKFLOW ASSEMBLY (OR APPROVED EQUAL))	
4" PVC SEWER LINE	
SEWER CLEANOUT	
STORM DRAIN (SIZE/TYP AS SHOWN)	
CATCH BASIN	
CLEANOUT	
CURB OPENING	
SWALE	
CONCRETE DITCH	
SLOPE	
CHAIN LINK FENCE	
PCC CROSS GUTTER	
CONCRETE BOLLARD	

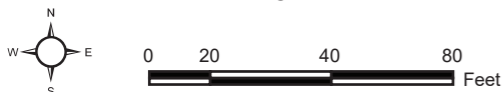


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Source: Psomas, 2018

**Conceptual Site Plan – Transit Center**

*Mt. San Antonio College Transit Center*



**Exhibit 3**



The bus plaza would be constructed to accommodate two electric bus charging stations, to be installed at a future date. As part of this project, the electrical conduit would be located in place, underground, and accessible for future use, as shown on Exhibit 3, Conceptual Site Plan – Transit Center. Additionally, bus shelters would be constructed inside the bus plaza in the pedestrian waiting and boarding areas.

An all gender single-user toilet facility and storage/electrical closet would be constructed in the northeast portion of the transit center site, adjacent to the five service and emergency vehicle parking stalls. The toilet facility would be locked and accessible only to Foothill Transit bus operators and Mt. SAC maintenance staff.

## **Circulation and Parking**

### ***Vehicular Circulation***

A two-way access road is currently located southeast of the bus plaza and would be maintained as part of the project. This access road would be separated from the bus plaza by a landscaped median and would allow for service and emergency vehicle access to the Welding and Heating/Air Conditioning buildings (Building 69) and associated storage area. As described above, parking stalls would be constructed in the northern end of the access road for service and emergency vehicle use associated with the transit center and Mt. SAC. An additional accessible parking stall would be constructed along the access road in the vicinity of the existing pedestrian walkway between the two Welding and Heating/Air Conditioning buildings (Building 69).

Additionally, a series of retractable bollards would be installed across the existing driveway leading from Lot D-3 to the Physical Education Center (Building 27C). The bollards would restrict through vehicular movement except for emergency vehicles and authorized Mt. SAC or Foothill Transit vehicles.

### ***Non-Vehicular Circulation***

#### **Pedestrian Circulation**

The transit center element of the project includes a pedestrian component to accommodate pedestrian access to the bus plaza from each direction surrounding the site. The proposed signalized intersection would provide pedestrian crosswalks at each leg of the intersection. As shown on Exhibit 3, Conceptual Site Plan – Transit Center, from the existing sidewalk along Temple Avenue to the north, a new Americans with Disabilities Act (ADA)-compliant ramp is proposed east of the existing driveway. From this ramp, pedestrians would access the bus plaza via a proposed crosswalk across the proposed access road, a sidewalk along a proposed landscape area, and a proposed crosswalk across the bus drive aisle. For safety purposes, a stop sign is proposed at the crosswalk at the southern end of the bus drive aisle to control buses that are exiting the bus plaza. From the east, the existing pedestrian walkway between the Welding and Heating/Air Conditioning buildings (Building 69) would be maintained; and a similar striped crosswalk would be painted spanning both the access road and the bus drive aisle. A concrete paved sidewalk would also be constructed within the proposed landscaped median separating the bus drive aisle from the access lane, connecting the two crosswalks. From the north, pedestrians would be able to access the site from the Miracle Mile pedestrian corridor via the existing stairway and ramp. Additionally, from the west, a proposed crosswalk would be painted across the bus drive aisle to allow for pedestrian and wheelchair access from the Physical Education Center (Building 27C) and pool area.

The bus plaza and all related features would be designed to accommodate a future pedestrian bridge, anticipated to extend from a future parking structure (Parking Structure S) proposed to be located south of Temple Avenue. The pedestrian bridge and related features, including an elevator, are being evaluated under as part of the environmental documentation being prepared for the Mt. SAC 2018 Educational and Facilities Master Plan (Mt. SAC 2018b).

### ***Parking***

The proposed transit center element of the project would remove all but five parking spaces from Lot D-3. For purposes of this project, the parking demand would be accommodated by existing lots throughout the Mt. SAC campus. However, Mt. SAC is currently working on their 2018 Educational and Facilities Master Plan environmental documentation which includes parking improvements related to the 2017 Parking and Circulation Master Plan and of which this project is included.

### **Landscape, Hardscape, Fencing, and Lighting**

#### ***Landscape***

As shown on the conceptual landscape plan presented in Exhibit 4, Landscape Concept – Transit Center, and in accordance with the Mt. SAC 2018 Landscape Guidelines, the proposed transit center would include landscaping consisting of shrubs, accents, groundcover, various trees to provide additional shading to the waiting riders, and planters at the northern end of the plaza. A landscaped median would be located between the bus drive aisle and the access road and would include vegetated bioswale features at the southern end of the median. Additionally, the existing sycamore tree would be maintained in place within the landscaped median. A second landscaped median would be located on the transit center site's eastern edge, partially adjacent to the existing Physical Education Center (Building 27C). Additionally, all irrigation infrastructure would be designed in compliance with Mt. SAC standards and the City of Walnut Ordinance No. 16-02.<sup>1</sup>

#### ***Hardscape***

As shown on Exhibit 3, Conceptual Site Plan – Transit Center, paving associated with the transit center would vary based on the location and anticipated use. The driveway and access road would be paved with asphalt concrete pavement, while the bus drive aisle surrounding the bus plaza would be a vehicular concrete pavement. The bus plaza and other sidewalks would be pedestrian concrete pavement, with decorative etched and colored concrete as shown on Exhibit 5, Hardscape Concept – Transit Center and the Mt. SAC 2018 Landscape Guidelines.

#### ***Fencing***

Decorative fencing would also be installed in locations along the transit center site, bus plaza and within the landscaped median separating the proposed bus drive aisle and the proposed access road. As shown on Exhibit 6, Decorative Fencing, the fencing would consist of vertical metal pickets that would allow for limited visibility and would be between 4 and 6 feet in height.

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<sup>1</sup> The City of Walnut adopted Ordinance 16-02 on April 13, 2016 which amended the City's Water Efficient Landscape Regulations to incorporate water efficient landscape standards that are at least as effective as the State of California Model Water Efficient Landscape Ordinance (MWELO), issues on September 17, 2009 and updated via Executive Order (EO) B-29-25 (Walnut 2016 <http://www.cityofwalnut.org/Home/ShowDocument?id=5722>).



HIGH VISIBILITY  
PEDESTRIAN CROSSINGS



BIOSWALE AREA



ENHANCED PAVING

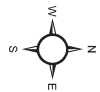
- |                       |                          |
|-----------------------|--------------------------|
| 1 Bus Plaza           | 6 Bioswale               |
| 2 Bus Shelter         | 7 Existing Service Drive |
| 3 Travel Lanes        | 8 Median                 |
| 4 Pedestrian Crossing | 9 Pedestrian Bridge      |
| 5 Planters            |                          |

LANDSCAPED AND  
TREE LINE MEDIANS



# Landscape Concept – Transit Center

Mt. San Antonio College Transit Center



Source: Gruen Associates, 2018

## Exhibit 4







PAVING SCHEME  
Contrasting Integral  
Color Concrete -  
Top Cast Etched Texture  
Medium and Heavy

DECORATIVE PAVING  
Precast Concrete Paver  
Hexagonal Pattern  
Color - TBD

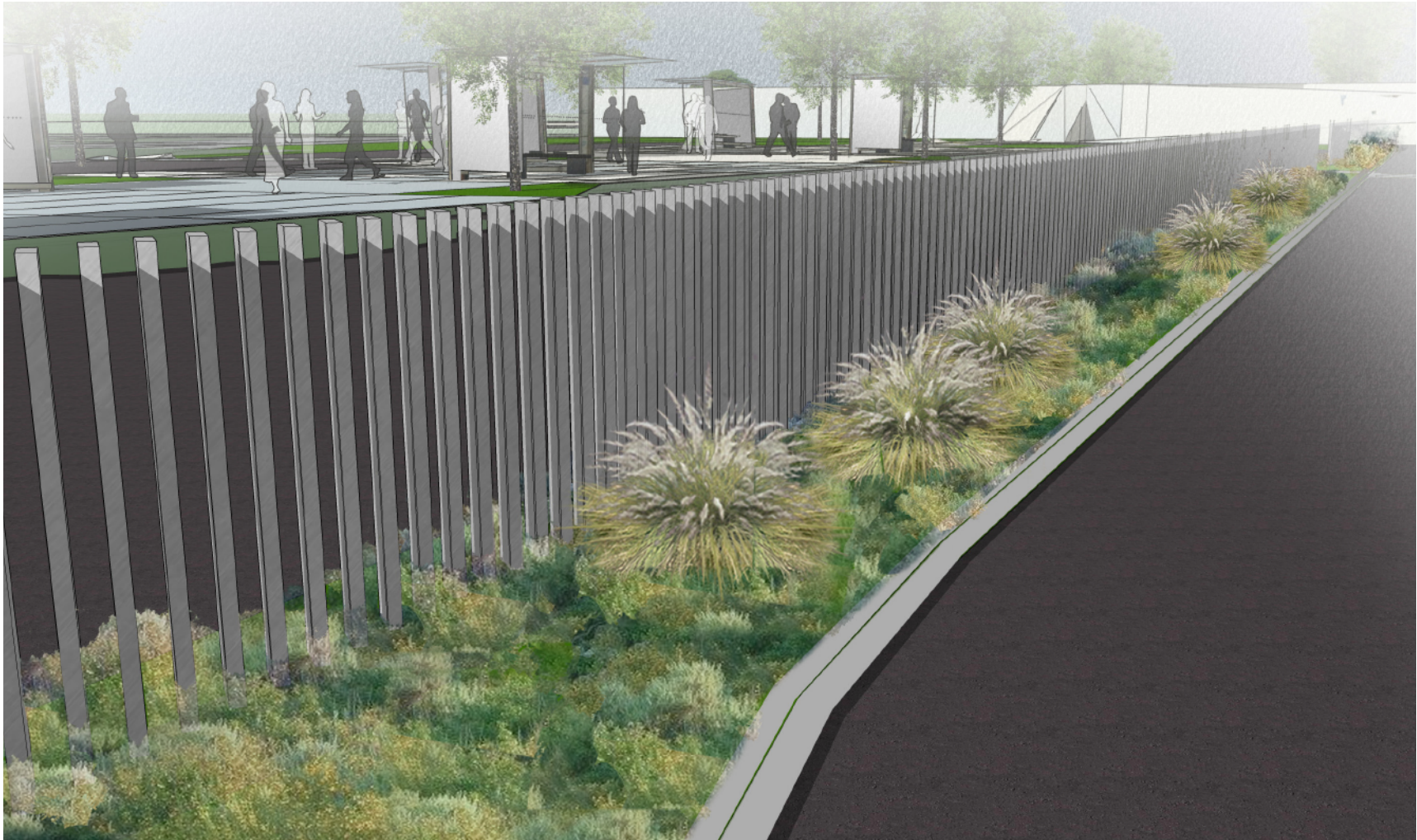
Source: Gruen Associates, 2018

# Hardscape Concept – Transit Center

*Mt. San Antonio College Transit Center*

# Exhibit 5





Source: Gruen Associates, 2018

## Decorative Fencing

*Mt. San Antonio College Transit Center*

Exhibit 6



## **Lighting**

Proposed exterior site lighting would be installed as necessary for safety, security, and ambience, including lighting for the parking area and pedestrian walkways. The lighting design would consist of pole-mounted lights of similar appearance to existing light standards in the area and would provide the required light level to provide adequate security.

## **Utility Infrastructure**

Municipal and private utility services necessary to serve the proposed transit center are currently available within or adjacent to the transit center site. On-site utility infrastructure necessary to serve the transit center, including water, sanitary sewer, drainage, and stormwater runoff treatment would be installed with the proposed development and would connect to the existing utilities. The final sizing and design of on-site facilities would occur during final project design. Following is a description of existing and proposed utility infrastructure.

### **Water and Sanitary Sewer**

Water (domestic and fire) and sewer service for the Mt. SAC campus is provided by the Walnut Valley Water District. The transit center site would be served by existing campus-owned water and sewer lines in the areas surrounding the transit center site. Proposed water and sewer lines would be installed on the transit center site to connect the proposed all-gender single-user toilet facility to existing campus water and sewer lines located northeast of the transit center site. Additionally, a proposed irrigation line would be installed on the southern edge of the transit center site and would connect to an existing campus irrigation line just south of the transit center site in the landscaped areas along Temple Avenue. Due to the nominal amount of anticipated water usage and required sewer capacity, the existing infrastructure has sufficient capacity to accommodate the proposed uses, and no upgrades to the existing infrastructure would be needed.

### **Storm Drains and Water Quality Features**

The City of Walnut Public Works Department maintains the public storm drain system serving the campus and transit center site, which is located in Temple Avenue. City-owned storm drains were designed to contain the on-site flows in a developed condition such as a surface parking lot. The storm drain system for the transit center element of the proposed project has been designed to accommodate anticipated on-site water flows and follows the Los Angeles County Low Impact Development (LID) Standards Manual, including stormwater best management practices (BMPs), consistent with Mt. SAC's *Campuswide Stormwater Analysis* (Psomas 2016), to reduce stormwater pollution.

Stormwater runoff from the transit center site would continue to be intercepted by a series of catch basins and enter the existing storm drain system. The existing storm drains have sufficient capacity to accommodate stormwater runoff from the project site, and no upgrades to the existing infrastructure off site would be needed.

### **Dry Utilities**

The transit center site is within the service areas of the following utility purveyors: Southern California Edison (SCE) and Southern California Gas Company (SCGC) (natural gas). The project would connect to existing lines that currently serve the transit center project site.

## **2.2.2 TEMPLE AVENUE IMPROVEMENTS**

As shown on Exhibit 3, Conceptual Site Plan – Transit Center, access to the proposed transit center site is provided via Temple Avenue. In order to facilitate traffic ingress and egress at the proposed transit center, and to accommodate future anticipated traffic volumes and turning movements associated with future conditions along Temple Avenue, the project includes the installation of a traffic signal at the existing driveway on Temple Avenue. As part of Mt. SAC's planning process, a traffic signal warrant analysis was prepared to determine the need for a traffic signal at this location to accommodate future traffic volumes entering and exiting the proposed transit center site as well as anticipated traffic volumes associated with the future proposed Parking Structure S south of Temple Avenue. Based on the traffic signal warrant analysis, the location is forecast to meet one of the four evaluated warrants, thus Mt. SAC has elected to include the traffic signal as part of this project (Psomas 2018a).

As part of the Temple Avenue improvements element of the proposed project, eastbound traveling buses and other permitted vehicles (i.e., service and emergency vehicles), would continue to access the site via a dedicated left-turn lane along Temple Avenue. In order to accommodate right-turn movements of westbound buses and permitted vehicles, a portion of the existing on-street parallel parking would be removed from Temple Avenue between Bonita Avenue and the project's driveway. This area would be restriped as a right-turn lane for westbound traffic entering the Transit Center. Additionally, the proposed signalized intersection would provide pedestrian crosswalks at each leg of the intersection.

## **2.2.3 BOLLARD HARDSCAPE IMPROVEMENTS**

As part of the project, the existing vehicular access southeast of the Technology Center (Building 28A/B) and between the driveway from Lot D-2 and Lot D-3 would be modified to prohibit vehicular movement. As shown on Exhibit 2, Aerial Photograph, an approximately 22-foot-wide by 75-foot-long area currently allows for vehicular access. The proposed project would involve repaving this area with decorative concrete pavement; and a series of bollards would be installed in order to restrict through vehicular movement. The bollards would be retractable to accommodate emergency vehicle access only.

## **2.2.4 DRIVEWAY EXPANSION AND PEDESTRIAN CIRCULATION AREA**

As shown on Exhibits 1 and 2, the existing vehicular driveway that connects the surface parking area adjacent to the Exercise Science/Wellness Center (Building 27A), Pool, Pool Building (Building 27B) and Physical Education Center (Building 27C) to Modulares 18A through 18D, associated parking, and Lot D-2 would be widened. This project element would include removal of the existing northern curb; and extend the drive aisle approximately 4 feet to the north. This project element would involve removal of existing turf areas located adjacent to the existing driveway; however, all mature trees would be maintained in place.

## **2.2.5 CONSTRUCTION ACTIVITIES**

It is estimated that construction of all four elements of the proposed project would begin in summer 2019 with project completion in summer 2020. Demolition of the existing surface parking lot (Lot D-3) and driveway areas is anticipated to occur over a four-week period. It is estimated that approximately 2,289 tons of demolition materials that would be hauled off-site and recycled. Demolition activities would generate approximately 10 heavy truck round trips during the demolition period for export of the demolition material. The proposed project would occur in one phase. The project would require a total of 9,605 cubic yards of over-excavation of soil, and all soil work would be balanced on site.

Construction staging and parking would occur on site and construction access would be available from the existing driveway on Temple Avenue, on the southern end of the project site. It is noted that, as part of the project, the four existing Temple Avenue bus stops that serve the Mt. SAC campus would be taken out of use; however, the only physical impacts associated with these actions would involve removal of the bus stop signs, shelters, benches, and waste receptacles.

### 2.3 **DISCRETIONARY AND NONDISCRETIONARY ACTIONS**

Table 1, Anticipated Discretionary Actions/Approvals, lists the approvals and permits required from the Mt. San Antonio Community College District (District), as the lead agency, the City of Walnut, and other agencies to implement the proposed project.

**TABLE 1  
ANTICIPATED DISCRETIONARY ACTIONS/APPROVALS**

<b>Lead Agency</b>	<b>Action</b>
Mt. San Antonio College Community College District	<ul style="list-style-type: none"> <li>• Adoption of the Negative Declaration</li> <li>• Approval of Construction Documents</li> </ul>
<b>Responsible Agencies</b>	<b>Action</b>
Foothill Transit	<ul style="list-style-type: none"> <li>• Executive Board approval for construction contract award</li> </ul>
City of Walnut	<ul style="list-style-type: none"> <li>• Approval of grading permit</li> <li>• Connection to existing storm drain facilities</li> <li>• Approval of street improvement plans</li> <li>• Approval of low impact development (LID) stormwater mitigation plans</li> </ul>
State Water Resources Control Board	<ul style="list-style-type: none"> <li>• Applicant must submit a Notice of Intent (NOI) to comply with the General Construction Activity National Pollution Discharge Elimination System (NPDES) Permit.</li> </ul>
California Division of the State Architect (DSA)	<ul style="list-style-type: none"> <li>• Review and approval of Construction Documents</li> </ul>

Additionally, the proposed project is subject to National Environmental Policy Act (NEPA) clearance. A separate environmental document will be prepared for NEPA approval and Foothill Transit will coordinate with the Federal Transit Authority, as the federal lead agency, for approval of the NEPA documentation.

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## SECTION 3.0 ENVIRONMENTAL CHECKLIST FORM

### 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.

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Aesthetic/Visual          | <input type="checkbox"/> Agricultural & Forestry            | <input type="checkbox"/> Air Quality               |
| <input type="checkbox"/> Biological Resources      | <input type="checkbox"/> Cultural Resources                 | <input type="checkbox"/> Geology/Soils             |
| <input type="checkbox"/> Greenhouse Gas Emissions  | <input type="checkbox"/> Hazards & Hazardous Materials      | <input type="checkbox"/> Hydrology/Water Quality   |
| <input type="checkbox"/> Land Use/Planning         | <input type="checkbox"/> Mineral Resources                  | <input type="checkbox"/> Noise                     |
| <input type="checkbox"/> Paleontological Resources | <input type="checkbox"/> Population/Housing                 | <input type="checkbox"/> Public Services           |
| <input type="checkbox"/> Recreation                | <input type="checkbox"/> Transportation/Traffic             | <input type="checkbox"/> Tribal Cultural Resources |
| <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |  |

### DETERMINATION:

On the basis of this initial evaluation:

- 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, nothing further is required.

Signature

Gary Nellesen  
Director, Facilities Planning & Management  
Printed Name/Title

Date

9/12/18  
(909) 274-4850  
Phone No.

## EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) All answers must take account of the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 2) A list of “Supporting Information Sources” must be attached and other sources used or individuals contacted should be cited in the Narrative Summary for each section.
- 3) Response Column Heading Definitions:
  - a) **Potentially Significant Impact** is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
  - b) **Less Than Significant Impact With Mitigation** applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact”. The mitigation measures must be described, along with a brief explanation of how they reduce the effect to a less than significant level.
  - c) **Less Than Significant Impact** applies where the project creates no significant impacts, only Less Than Significant impacts.
  - d) **No Impact** applies where a project does not create an impact in that category. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one proposed (e.g., the project falls outside of a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 4) Earlier analyses may be used where, pursuant to a tiering, program EIR, Master EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration (Section 15062(c)(3)(D)). In this case, a brief discussion should identify the following:
  - a) Earlier Analysis Used. Identify and state where they are available for review.
  - b) Impacts Adequately Addressed. Identify which effects from the checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c) Mitigation Measures. For effects that are “Less than Significant with Mitigation Measures Incorporated”, describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

Incorporate into the checklist any references to information sources for potential impacts (e.g., the General Plan, zoning ordinance). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

The explanation of each issue should identify:

- a) the significance criteria or threshold, if any, used to evaluate each question; and
- b) the mitigation measure identified, if any, to reduce the impact to less than significant.



Environmental Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation	Less Than Significant Impact	No Impact
<b>I. AESTHETICS</b> -- Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway or local scenic expressway, scenic highway, or eligible scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>II. AGRICULTURE &amp; FOREST RESOURCES</b> -- In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>III. AIR QUALITY</b> -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Environmental Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation	Less Than Significant Impact	No Impact
c) 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>IV. BIOLOGICAL RESOURCES</b> -- 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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 US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>V. CULTURAL RESOURCES</b> -- Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Environmental Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation	Less Than Significant Impact	No Impact
<b>VI. GEOLOGY AND SOILS -- Would the project:</b>				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>VII. GREENHOUSE GAS EMISSIONS – Would the project:</b>				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>VIII. HAZARDS AND HAZARDOUS MATERIALS -- Would the project:</b>				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Environmental Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation	Less Than Significant Impact	No Impact
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 of public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, heliport or helistop, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>IX. HYDROLOGY AND WATER QUALITY -- Would the project:</b>				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>Environmental Issues</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant Impact with Mitigation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
<b>X. LAND USE AND PLANNING -- Would the project:</b>				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XI. MINERAL RESOURCES -- Would the project:</b>				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XII. NOISE -- Would the project result in:</b>				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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 of public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, heliport or helistop, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XIII. POPULATION AND HOUSING -- Would the project:</b>				
a) Induce substantial 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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Environmental Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation	Less Than Significant Impact	No Impact
<b>XIV. PUBLIC SERVICES</b> -- Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XV. RECREATION</b> -- 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XVI. TRANSPORTATION/TRAFFIC</b> -- Would the project:				
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Environmental Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation	Less Than Significant Impact	No Impact
<b>XVII. TRIBAL CULTURAL RESOURCES</b> -- Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>XVIII. UTILITIES AND SERVICE SYSTEMS</b> -- Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities (including sewer (waste water) collection facilities) or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with Federal, State, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XIXIV. MANDATORY FINDINGS OF SIGNIFICANCE</b> --				
a) Does the project have the potential to 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, 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<b>Environmental Issues</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant Impact with Mitigation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



## SECTION 4.0 ENVIRONMENTAL EVALUATION

### I. AESTHETICS

The following MM was identified in the 2016 Mitigation Monitoring Program prepared for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and is incorporated as part of the proposed project and assumed in the analysis presented in this section.

**MM AES-05.** Exterior building materials, colors and signage shall be reviewed by the Campus Master Plan Coordinating Team (CMPCT). All construction contracts shall specify these items and implement CMPCT final recommendations. Facilities Planning & Management shall ensure compliance.

#### ***Thresholds of Significance***

#### **Mt. SAC 2016 CEQA Thresholds of Significance**

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project's environmental impact.

<b>Environmental Topic in the CEQA Checklist</b>	<b>Impact</b>	<b>Mt. San Antonio Community College District Threshold of Significance</b>	<b>Agencies and Regulations</b>	<b>CEQA Procedures</b>
Aesthetics	<p>New substantial light or glare impacts that adversely affect day or nighttime views;</p> <p>Light and glare impacts in sensitive biological resource areas or off-site residential areas;</p>	<p>Compliance with IES's Sports and Recreational Area Lighting (IES RP-6-15) standards for site-specific athletics facilities (excluding the Stadium, Flex and Practice Fields);</p> <p>New permanent lighting standards in Parking Lot M and Lot W immediately adjacent to sensitive biological habitat areas (i.e., Wildlife Sanctuary/Open Space Zone) shall not exceed 0.2 foot-candles at five (5) feet outside of the parking lot boundary.</p>	CDFW	<p>If needed, case-by-case light and glare or massing studies, elevations or perspectives for potential aesthetic impacts;</p> <p>Special lighting plans for select major projects;</p> <p>Limit direct significant flare (fc) and prolonged exposure off-site</p>

**Question A: *Would the project have a substantial adverse effect on a scenic vista?***

**Question B: *Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway or local scenic expressway, scenic highway, or eligible scenic highway?***

**No Impact.** The project site is located on the Mt. SAC campus within an area that is urbanized and developed with roadway, driveway, and surface parking lot uses. According to the California Department of Transportation (Caltrans), none of the roadways in the project area are designated as scenic roadways (Caltrans 2018). The City of Walnut's General Plan states that Temple Avenue possesses scenic value within the City; however, the City has not formally designated

any scenic highways or roadways. Further, the City's General Plan establishes that hillsides and biological resources within the City possess scenic qualities; however, no scenic vistas are designated (Walnut 2018). Therefore, the proposed project would not impact a scenic vista or damage scenic resources within a State scenic highway or local scenic expressway or eligible scenic highway. No impact would occur, and no mitigation is required.

**Question C: *Would the project substantially degrade the existing visual character or quality of the site and its surroundings?***

**Less Than Significant Impact.** The aerial photograph presented on Exhibit 2, Aerial Photograph, shows the project site's relationship to surrounding uses. Views of the four elements of the project site are described below.

**Existing Views and Visual Character**

The transit center site is currently developed as a surface parking lot with limited landscaping in the form of ornamental plantings and several mature trees.

- View 1 on Exhibit 7a, Site Photographs, depicts the view of the transit center site looking south from the Miracle Mile pedestrian corridor. This view is from an elevated position and shows the accessible wheelchair ramp in the foreground and the parking lot in the middleground. The Welding and Heating/Air Conditioning buildings (Building 69) are visible on the left side of the photograph, while the Physical Education Center (Building 27C) is visible on the right side. Overhead pole-mounted security lighting is visible throughout the parking lot. Mature landscaping in the area is a prominent visual feature. Distant viewsheds are obstructed by existing buildings and landscaping.
- View 2 on Exhibit 7a, Site Photographs, depicts the view of the northwestern part of the transit center site looking east across the project. The surface parking lot is the dominant view with the Welding and Heating/Air Conditioning buildings (Building 69) visible in the background. A stairway, adjacent to the accessible wheelchair ramp, is visible on the left side of the photo. Ornamental trees and vegetation are visible throughout and along the perimeter of the project site. Overhead pole-mounted security lighting is visible throughout the parking lot.
- View 3 on Exhibit 7b, Site Photographs, illustrates the view of the northern transit center site boundary interface with the Language Center (Building 66) and the Health Careers Center (building 67A) to the north. The grade differential between the pedestrian corridor and the project site is approximately 20 feet. Due to the change in topography and intervening development, background views are obstructed.
- View 4 on Exhibit 7b, Site Photographs, shows the view of the transit center site from the southeastern corner, looking to the north. The Welding and Heating/Air Conditioning buildings (Building 69) are visible on the right side of the photo. The Language Center (Building 66) and the Health Careers Center (Building 67A) are visible in the background. The surface parking lot mature landscaping is the dominant feature visible in the middleground. The large sycamore tree on the left side of the photo would remain with the proposed project. Overhead pole-mounted security lighting is visible throughout the parking lot.
- View 5 on Exhibit 7c, Site Photographs, shows the view of the transit center site from the southern portion of the site, looking to the north. The access road and parking area are the dominant views in the foreground. The surface parking lot is visible in the middleground and is surrounded by the Physical Education Center (Building 27C) to the left, the Welding and Heating/Air Conditioning building (Building 69) to the right, and the Language Center



View 1 – View of project site looking south from Miracle Mile pedestrian corridor



View 2 – View of project site looking east from northwest corner

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## Site Photographs

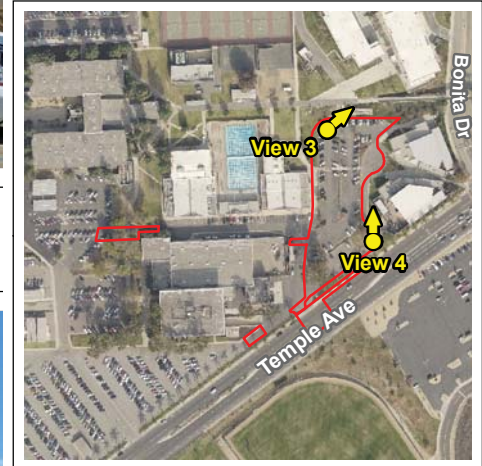
*Mt. San Antonio College Transit Center*

Exhibit 7a





View 3 – View of the northern project boundary interface



View 4 – View of project site looking to the north from the southeast corner of the transit center site

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## Site Photographs

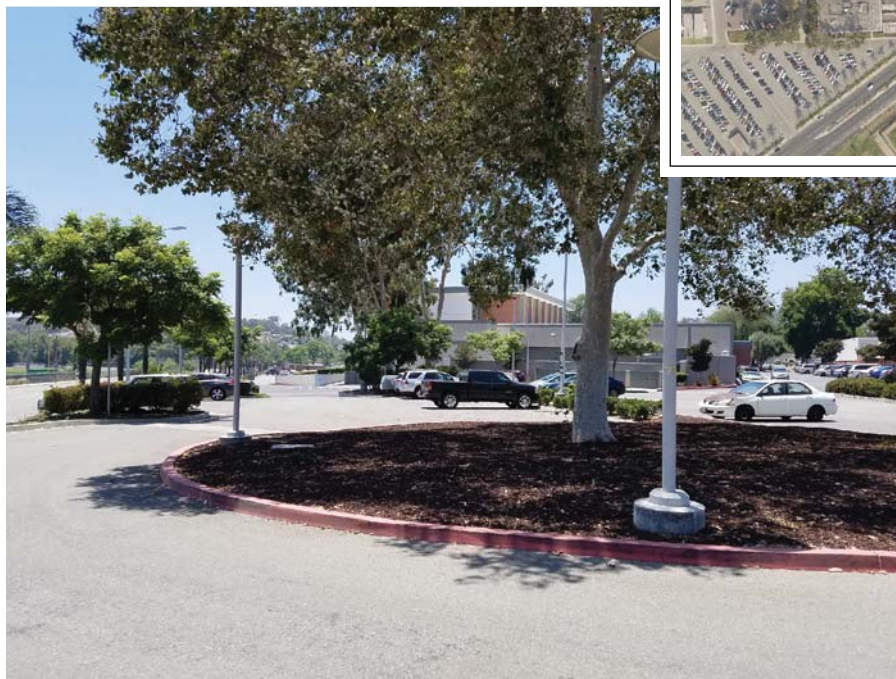
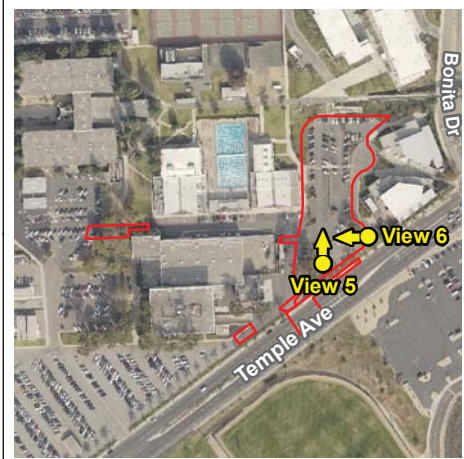
*Mt. San Antonio College Transit Center*

Exhibit 7b





View 5 – View of project site looking north from the southern portion of the transit center site



View 6 – View of project site looking west from the southeast corner of the transit center site

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## Site Photographs

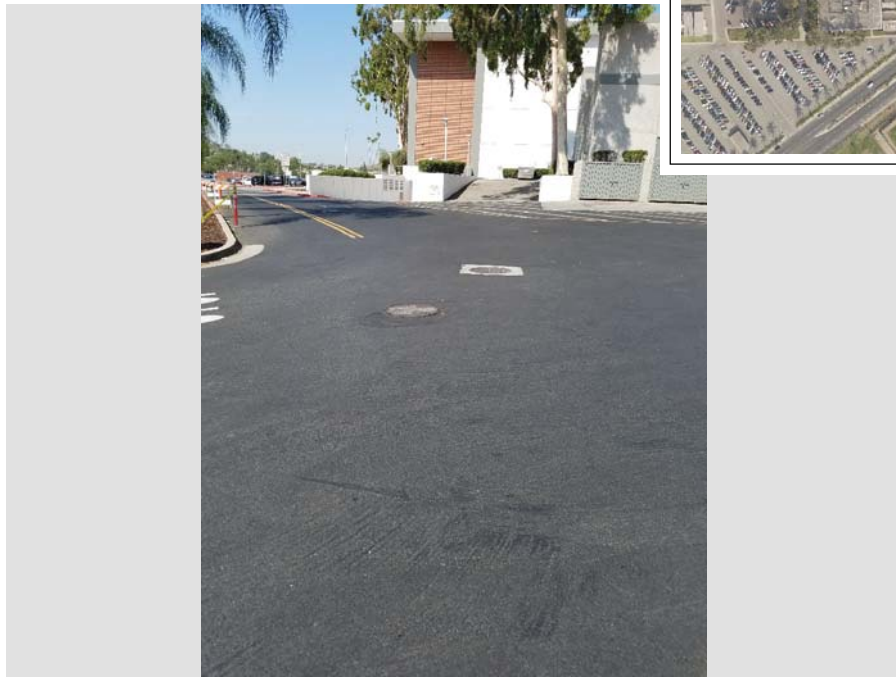
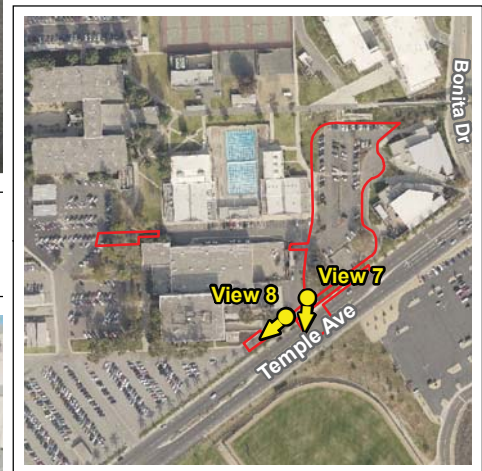
*Mt. San Antonio College Transit Center*

Exhibit 7c





View 7 – View of Temple Avenue improvements site looking southwest from Lot D-3



View 8 – View of bollard hardscape improvements site looking southwest from the existing Temple Avenue driveway

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## Site Photographs

*Mt. San Antonio College Transit Center*

Exhibit 7d





View 9 – View of driveway expansion and pedestrian corridor area site looking east from Lot D-2



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## Site Photographs

*Mt. San Antonio College Transit Center*

Exhibit 7e



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(Building 66) in the background. Overhead pole-mounted security lighting is visible throughout the parking lot. Distant mountain views are visible in the background.

- View 6 on Exhibit 7c, Site Photographs, shows the view from the southeastern corner of the transit center site, looking to the west. Existing mature trees and vegetation are prominent in this viewshed; the large sycamore tree in the middleground view would remain with the proposed project. The visible access road surrounds the tree planter. The Physical Education Center (Building 27C) is visible in the background. Temple Avenue is visible on the left side of the photo. Overhead pole-mounted security lighting is visible throughout. Due to the change in topography and intervening development, background views are obstructed.

The Temple Avenue improvements site currently exists as an unsignalized intersection with two through lanes in either direction and a dedicated eastbound left-turn lane. On-street parallel parking exists on both sides of Temple Avenue and an existing driveway provides access to the Lot D-3 surface parking lot.

- View 7 on Exhibit 7d, Site Photographs, shows the view of the intersection from within Lot D-3. As discussed, two through-lanes are visible in each direction along Temple Avenue as well as the dedicated left-turn pocket on the eastbound side. Metered parallel parking is also visible along both sides of the roadway and a red curb is visible on the south side of Temple Avenue proximate to the existing intersection. An existing stop sign controlling vehicular traffic exiting onto Temple Avenue is visible. From this viewpoint, Mazmanian (baseball) Field is visible immediately south of Temple Avenue and MSAC Hill is visible in the background.

The bollard hardscape improvements site is developed as a vehicular driveway connecting Lot D to the driveway along Temple Avenue. The site exists as a 22-foot by 75-foot asphalt-paved area bordered by an existing landscaped area to the south and a sidewalk adjacent to the loading area of the Technology Center (Building 28A/B). Double yellow striping delineates the driveway for two-way traffic and the site is bordered by red curb to the north and south.

- View 8 on Exhibit 7d, Site Photographs, shows the existing driveway leading from the driveway along Temple Avenue to Lot D. The Technology Center (Building 28A/B) and loading dock areas are visible to the right of the driveway as well as the edge of the landscaped area to the left. Several mature trees and landscaping associated with the Technology Center (Building 28A/B) can be seen from this view. The red painted curbs are visible on either side of the driveway as well as the existing double-yellow striping. Background views are dominated by the surface parking area of Lot D with larger, mature trees visible beyond.

The driveway expansion and pedestrian circulation area site is currently developed as a 20-foot wide asphalt-paved vehicular driveway and concrete-paved pedestrian crosswalk. Through vehicular traffic is currently controlled via a stop-sign on either side of the pedestrian crossing.

- View 9 on Exhibit 7e, Site Photographs, represents the view looking east from Lot D-2 and the parking area associated with Modular Buildings 18A-D. Mature trees and turf areas are visible bordering both sides of the existing driveway. The pedestrian crosswalk and the stop signs are also visible from this view. As shown, the existing driveway is bordered by the Exercise Science/Wellness Center (Building 27A) and Technology Center (Building 28A/B) and associated parking spots and a sidewalk are located adjacent to Exercise Science/Wellness Center (Building 27A).



## **Visual Changes from the Proposed Project**

Implementation of the proposed project would represent a change to the existing visual character of the transit center project site through demolition of the existing surface parking lot and construction of a new ten-bus bay transit center. During demolition and construction, construction equipment and activities would be visible from the immediately surrounding uses. This visual change would be temporary in nature and typical of construction sites in an urban environment; therefore, temporary impacts during construction would be less than significant.

Development of the proposed transit center would not substantially alter the visual character of the project site. The project proposes a concrete and landscaped bus plaza where up to ten buses could park in designated parking bays (refer to Exhibit 3, Conceptual Site Plan – Transit Center). As discussed in Section 2.0, Project Description, bus shelters would be constructed in the plaza. The bus shelters would provide shade and shelter to pedestrians waiting for buses. As described in Section 2.0 and shown on Exhibit 4, Landscape Concept – Transit Center, a landscaped median would be installed on the transit center site's eastern edge and would include several trees and ornamental landscaping. A second median separating the bus plaza from the maintenance access road would be landscaped and would include a vegetated bioswale area for water quality treatment.

The existing access road located on the southeast and eastern portions of the transit center site would be repaved and would remain in place, providing vehicular access to the Welding and Heating/Air Conditioning buildings (Building 69). The proposed all-gender single-user toilet facility and storage/electrical closet would be constructed of materials similar to the adjacent Welding and Heating/Air Conditioning buildings (Building 69).

Implementation of the other project elements associated with the Temple Avenue improvements, bollard hardscape improvements, and driveway expansion and pedestrian circulation area would result in minor modifications to the project area associated with installation of a traffic signal, resurfacing and extending driveways, and installation of bollards. Similar to anticipated activities at the transit center site, construction equipment and activities would be visible from the immediately surrounding uses during construction activities. This visual change would be temporary in nature and typical of construction sites in an urban environment; therefore, temporary impacts during construction would be less than significant. These proposed improvements would occur along existing roadways and driveways and in existing parking areas; therefore, the proposed improvements would not involve physical changes that would alter the visual character of these areas.

The proposed project would alter the existing visual character of the project area and views from surrounding vantage points; however, consistent with MM AES-05, all new construction projects on campus, including the proposed Transit Center project, exterior building materials, colors and signage will be reviewed by the Campus Master Plan Coordinating Team (CMPCT). The review process through CMPCT is conducted on a project-by-project basis. As noted above, any relevant MMs (MM AES-05) has been incorporated into the proposed project. Additionally, the proposed project is assumed within the EFMP and has been designed consistent with the landscape guidelines included in the EFMP, as required by MM AES-02. Consistency review by the CMPCT and incorporation of the landscape guidelines included in the EFMP would ensure that the introduction of a new transit center, associated site improvements, and landscaping would be visually compatible with the existing campus buildings in the surrounding area. Therefore, the visual appearance of the proposed uses would be generally similar in nature to the existing uses adjacent to the project and would not be considered a degradation of the existing visual character or quality of the project site or its surroundings. The proposed project would result in a less than

significant impact related to change in visual character or quality of the project sites and surrounding areas, and no mitigation is required.

**Question D: *Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?***

**Less Than Significant Impact.** The project site is currently subject to nighttime lighting from existing on-site and surrounding uses, including lighting standards associated with the surface parking lot, pedestrian lighting along adjacent walkways including the Miracle Mile to the north, security lighting for adjacent buildings, and street lights along Temple Avenue.

The proposed project would include the installation of exterior lighting associated with the bus plaza, pedestrian walkways, parking areas, and the all-gender single-user toilet facility and electrical/storage closet. As discussed in Section 2.0, Project Description, proposed exterior lighting would consist of pole-mounted lights, which are standard fixtures throughout the campus parking and pedestrian walkway areas. Additional lighting fixtures would be mounted on the exterior of the proposed toilet facility and electrical/storage closet. All proposed light fixtures would be shielded to direct light down and to minimize light spillover on surrounding areas. For the Temple Avenue improvements site, bollard hardscape improvements site, and driveway expansion and pedestrian corridor site, installation of new lighting would replace existing lighting; therefore, no new sources of light would be introduced. Because the new lighting fixtures would essentially replace the existing lighting associated with the existing roadway, driveway, and surface parking lot uses, impacts associated with new lighting from the proposed project would be less than significant.

Glare is caused by light reflections from pavement, vehicles, and building materials such as reflective glass and polished surfaces. During daylight hours, the amount of glare depends on intensity and direction of sunlight. Glare can create hazards to motorists and nuisances for pedestrians and other viewers. As described in Section 2.0, Project Description, development associated with the proposed project would be limited to surface lot improvements including concrete and asphalt paving and landscaped areas which would not create glare. The project would include construction of an all-gender single-user toilet facility and electrical/storage closet on the transit center site; however, building materials associated with this structure would include non-reflective textured surfaces such as concrete masonry unit (CMU) which would minimize the potential for glare. Additionally, the bus shelters at the transit center site would be constructed of non-reflective materials. Therefore, no significant impacts would occur, and no mitigation is required.

## **II. AGRICULTURE AND FOREST LAND RESOURCES**

**Question A: *Would the project 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?***

**Question B: *Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?***

**Question C: *Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined in Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?***

**Question D:** *Would the project result in the loss of forest land or conversion of forest land to non-forest use?*

**Question E:** *Would the project 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.** Based on current farmland mapping (2016) published by the California Department of Conservation, the Mt. SAC campus is unmapped in the Farmland Mapping and Monitoring Program (FMMP). However, the college has divided the campus into different zones, including an approximate 110-acre Agricultural Zone (also referred to as The Farm) in the northeast portion of the campus; this zone reflects the agricultural-related educational focus for this area and is not reflective of its use as for agricultural production purposes. The project site is not located within the 110-acre Agricultural Zone, nor is it used for agricultural use. According to the City of Walnut General Plan and West Valley Specific Plan Draft EIR, there are no zoning provisions related to agricultural or forestry resources, nor does the project site contain any agricultural, forest land or timberland (Walnut 2018b). The project site is not considered to be farmland of significance or land in agricultural use and is not subject to any California Land Conservation Act (Williamson Act) contracts.

No forest land or timberland occurs on the campus. The project site is not defined as forest land according to Section 12220(g) of the *California Public Resources Code*, which defines forest land as “land that can support 10 percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits”, nor is it zoned for Timberland Production as defined by Section 51104(g) of the *California Government Code*.

Since the project site is in an urban area, project-related changes would not result in conversion of farm or forest land to non-agricultural or non-forest uses. No impacts related to agricultural and forest land resources would occur, and no mitigation is required.

### III. AIR QUALITY

The following MMs were identified in the 2016 Mitigation Monitoring Program prepared for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and are incorporated as part of the proposed project and assumed in the analysis presented in this section. It should be noted that AQ-01 and AQ-07 are standard conditions requiring compliance with South Coast Air Quality Management District (SCAQMD) Rule 403, Fugitive Dust. This is a mandatory requirement in compliance with State law.

**MM AQ-01.** All contractors shall comply with all feasible Best Available Control Measures (BACM) included in South Coast Air Quality Management District (SCAQMD) Rule 403: Fugitive Dust included in Table 1: Best Available Control Measures Applicable to All Construction Activity Sources. In addition, the project shall comply with at least one of the following Track-Out Control Options: (a) Install a pad consisting of washed gravel (minimum-size: one inch) maintained in a clean condition to a depth of at least six inches and extending at least 20 feet wide and 50 feet long, (b) Pave the surface extending at least 100 feet and a width of at least 20 feet wide, (c) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle under carriages before vehicles exit the site, (d) Install and utilize a wheel washing system to remove bulk material from tires and vehicle

undercarriages before vehicles exit the site, (e) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified items (a) through (d) above. Individual BACM in Table 1 that are not applicable to the project or infeasible, based on additional new project information, may be omitted only if Facilities Planning & Management specifies in a written agreement with the applicant that specific BACM measures may be omitted. Any clarifications, additions, selections of alternative measures, or specificity required to implement the required BACM for the project shall be included in the written agreement. The written agreement shall be completed prior to demolition and/or grading for the project. Facilities Planning & Management shall include the written agreement within the Mitigation Monitoring Program (MMP) for the project and Facilities Planning & Management and Purchasing shall ensure compliance.

- MM AQ-02.** Project construction contracts shall prohibit off-road vehicle and engine idling in excess of five (5) minutes and monitor that all off-road equipment is compliant with the California Air Resources Board's (CARB) in use off-road diesel vehicle regulations and SCAQMD Rule 1186 and 1186.1 certified street sweepers or roadway washing trucks, and all internal combustion engines/construction equipment operating on the project site shall meet Environmental Protection Agency (EPA) Certified Tier 2 emissions standards, or higher according to the adopted project start date requirements. A copy of each unit's certified tier specification, Best Available Control Technology (BACT) documentation and CARB or SCAQMD operating permit shall be provided to the construction manager at the time of mobilization of each applicable unit of equipment. Facilities Planning & Management and Purchasing shall ensure compliance.
- MM AQ-03.** During construction, contractors shall minimize off-site air quality impacts by implementing the following measures: (a) encourage carpooling for construction workers, (b) limit lane closures to off-peak travel periods, (c) park construction vehicles off traveled roadways, (d) encourage receipt of materials during non-peak traffic hours and (e) sandbag construction sites for erosion control. These requirements shall be included in construction contracts and implemented. Facilities Planning & Management and Purchasing shall ensure compliance.
- MM AQ-05.** During project construction, all off-road diesel-powered construction equipment greater than 50 hp shall meet the EPA-Certified Tier 4 emission standards where available. All construction equipment shall be outfitted with BACT devices certified by CARB. Any emission control devices used by a contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. A copy of each unit's certified tier specification, BACT documentation and CARB or SCAQMD operating permit shall be provided by contractors before commencement of equipment use on campus. Facilities Planning & Management shall ensure compliance.
- MM AQ-06.** Construction contracts shall specify that all diesel construction equipment used onsite shall use ultra-low sulfur diesel fuel. Facilities Planning & Management and Purchasing shall ensure compliance.
- MM AQ-07.** During grading and construction, fugitive dust from construction operations shall be reduced by watering at least twice daily using reclaimed water or chemical soil binder, where feasible, or water whenever substantial dust generation is evident. Grading sites of more than ten gross acres shall be watered at least three times

daily. The project shall comply with Rule 403: Fugitive Dust (South Coast Air Quality Management District). Project contractors shall suspend grading operations, apply soil binders, and water the grading site when wind speeds (as instantaneous gusts) exceed 25 miles per hour. Traffic speeds on all unpaved graded surfaces shall not exceed 15 miles per hour. All grading operations shall be suspended during first and second stage smog alerts. All project contracts shall require project contractors to keep construction equipment engines tuned to monitor that air quality impacts generated by construction activities are minimized. Upon request, contractors shall submit equipment tuning logs to Facilities Planning & Management. Facilities Planning & Management and Purchasing shall ensure compliance.

**MM AQ-08.** To reduce volatile organic compound (VOC) emissions, all construction contracts shall limit painting to eight hours per day and specify the use of paints and coatings with a VOC content of 80 grams per liter (g/l) or less. Facilities Planning & Management and Purchasing shall ensure compliance.

The following analysis is based on the *Air Quality and Greenhouse Gas Emissions Analysis for the Proposed Mt. SAC Transit Center Project in the City of Walnut, California* (Air Quality and GHG Report), prepared by Psomas (2018b) and included in Appendix A of this IS.

### **Existing Air Quality Conditions**

The project site is located in the Los Angeles County portion of the South Coast Air Basin (SoCAB) and, for air quality regulation and permitting, is under the jurisdiction of the SCAQMD.

Air quality data for the project site is represented by the Pomona Monitoring Station located at 924 North Garey Avenue, Pomona, located approximately 5 miles east of the project site, and the Azusa Monitoring Station, located at 803 North Loren Avenue, Azusa, located approximately 7 miles northwest of the project site. Pollutants measured at the Pomona Monitoring Station include ozone (O<sub>3</sub>) and nitrogen dioxide (NO<sub>2</sub>). Data for fine particulate matter with a diameter of less than 2.5 microns (PM<sub>2.5</sub>) and 10 microns (PM<sub>10</sub>), and carbon monoxide (CO) was not provided for this monitoring station from the California Air Resources Board website (CARB 2018). Therefore, data for PM<sub>2.5</sub> and PM<sub>10</sub> was taken from the Azusa Monitoring Station. The monitoring data is presented in Table 2, Air Quality Levels Measured at the Pomona and Azusa Monitoring Stations. Table 2 also presents federal and State air quality standards with the frequency that may be exceeded.

**TABLE 2  
AIR QUALITY LEVELS MEASURED AT THE  
POMONA AND AZUSA MONITORING STATIONS**

Pollutant	California Standard	National Standard	Year	Maximum Level <sup>a</sup>	Days State Standard Exceeded	Days National Standard Exceeded
<b>Pomona Monitoring Station Data</b>						
O <sub>3</sub> (1-hour)	0.09 ppm	None	2015	0.136	30	2
			2016	0.127	20	1
			2017	0.147	18	5
O <sub>3</sub> (8-hour)	0.070 ppm	0.070 ppm	2015	0.098	55	53
			2016	0.092	29	26
			2017	0.114	38	35
NO <sub>2</sub> (1-Hour)	0.18 ppm	0.100 ppm	2015	0.072	0	0
			2016	0.069	0	0
			2017	0.081	0	0
CO (1-hour)	20 ppm	20 ppm	2015	1.8	0	0
			2016	1.7	0	0
			2017	--	--	--
CO (8-hour)	9 ppm	9 ppm	2015	1.6	0	0
			2016	1.3	0	0
			2017	--	--	--
<b>Azusa Monitoring Station Data</b>						
PM10 (24-hour)	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>	2015	101	75.6	0
			2016	74	--	0
			2017	84	--	0
PM2.5 (24-Hour)	None	35 µg/m <sup>3</sup>	2015	70.3	0	6
			2016	32.1	0	0
			2017	24.9	0	0
-: Data Not Reported or insufficient data available to determine the value; O <sub>3</sub> : ozone; ppm: parts per million; PM10: respirable particulate matter with a diameter of 10 microns or less; µg/m <sup>3</sup> : micrograms per cubic meter; NO <sub>2</sub> : nitrogen dioxide; PM2.5: fine particulate matter with a diameter of 2.5 microns or less.						
<sup>a</sup> California maximum levels were used.						
Source: Psomas 2018b						

## **Regulatory Background**

### ***Pollutants and Standards***

The U.S. Environmental Protection Agency (USEPA) defines seven “criteria” air pollutants: O<sub>3</sub>, CO, NO<sub>2</sub>, sulfur dioxide (SO<sub>2</sub>), PM10, PM2.5, and lead. These pollutants are called criteria pollutants because the USEPA has established National Ambient Air Quality Standards (NAAQS) for the concentrations of these pollutants. CARB has also established standards for the criteria pollutants, known as California Ambient Air Quality Standards (CAAQS), and the State standards are generally more restrictive than the NAAQS. When a region has air quality that fails to meet the standards, the USEPA and CARB designate the region as “nonattainment;” and the regional air quality agency must develop plans to attain the standards.

Based on monitored air pollutant concentrations, the USEPA and CARB designate an area's status in attaining the NAAQS and the CAAQS, respectively, for selected criteria pollutants. These attainment designations are shown in Table 3, Attainment Status of Criteria Pollutants in the South Coast Air Basin. As identified in Table 3, Los Angeles County is a nonattainment area for O<sub>3</sub>, lead, PM10, and PM2.5.

**TABLE 3  
ATTAINMENT STATUS OF CRITERIA POLLUTANTS  
IN THE SOUTH COAST AIR BASIN**

<b>Pollutant</b>	<b>State</b>	<b>Federal</b>
O <sub>3</sub> (1-hour)	Nonattainment	No standard
O <sub>3</sub> (8-hour)		Extreme Nonattainment
PM10	Nonattainment	Attainment/Maintenance
PM2.5	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO <sub>2</sub>	Attainment	Attainment/Maintenance
SO <sub>2</sub>	Attainment	Attainment
Lead	Attainment	Attainment/Nonattainment*
All others	Attainment/Unclassified	No standards

O<sub>3</sub>: ozone; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; NO<sub>2</sub>: nitrogen dioxide; SO<sub>2</sub>: sulfur dioxide; SoCAB: South Coast Air Basin

\* **Los Angeles County is classified nonattainment for lead; the remainder of the SoCAB is in attainment of the State and federal standards.**

Source: Psomas 2018b

O<sub>3</sub> is a secondary pollutant created when nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOCs) react in the presence of sunlight. The predominant source of air emissions generated by project development would be from vehicle emissions. Motor vehicles primarily emit CO, NO<sub>x</sub>, and VOCs. The NAAQS and CAAQS are designed to protect the health and welfare of the populace within a reasonable margin of safety. The NAAQS and CAAQS for O<sub>3</sub>, CO, NO<sub>2</sub>, SO<sub>2</sub>, PM10, PM2.5, and lead are shown in Table 4, California and Federal Ambient Air Quality Standards.

**TABLE 4  
CALIFORNIA AND FEDERAL AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards	Federal Standards	
			Primary <sup>a</sup>	Secondary <sup>b</sup>
O <sub>3</sub>	1-Hour	0.09 ppm (180 µg/m <sup>3</sup> )	–	–
	8-Hour	0.070 ppm (137 µg/m <sup>3</sup> )	0.070 ppm (137 µg/m <sup>3</sup> )	Same as Primary
PM <sub>10</sub>	24-Hour	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>	Same as Primary
	AAM	20 µg/m <sup>3</sup>	–	Same as Primary
PM <sub>2.5</sub>	24-Hour	–	35 µg/m <sup>3</sup>	Same as Primary
	AAM	12 µg/m <sup>3</sup>	12.0 µg/m <sup>3</sup>	15.0 µg/m <sup>3</sup>
CO	1-Hour	20 ppm (23 mg/m <sup>3</sup> )	35 ppm (40 mg/m <sup>3</sup> )	–
	8-Hour	9.0 ppm (10 mg/m <sup>3</sup> )	9 ppm (10 mg/m <sup>3</sup> )	–
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )	–	–
NO <sub>2</sub>	AAM	0.030 ppm (57 µg/m <sup>3</sup> )	0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary
	1-Hour	0.18 ppm (339 µg/m <sup>3</sup> )	0.100 ppm (188 µg/m <sup>3</sup> )	–
SO <sub>2</sub>	24-Hour	0.04 ppm (105 µg/m <sup>3</sup> )	–	–
	3 Hour	–	–	0.5 ppm (1,300 µg/m <sup>3</sup> )
	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	0.075 ppm (196 µg/m <sup>3</sup> )	–
Lead	30-day Avg.	1.5 µg/m <sup>3</sup>	–	–
	Calendar Quarter	–	1.5 µg/m <sup>3</sup>	Same as Primary
	Rolling 3-month Avg.	–	0.15 µg/m <sup>3</sup>	
Visibility Reducing Particles	8-Hour	Extinction coefficient of 0.23 per km – visibility ≥ 10 miles (0.07 per km – ≥30 miles for Lake Tahoe)	<b>No Federal Standards</b>	
Sulfates	24-Hour	25 µg/m <sup>3</sup>		
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m <sup>3</sup> )		
Vinyl Chloride	24-Hour	0.01 ppm (26 µg/m <sup>3</sup> )		

O<sub>3</sub>: ozone; ppm: parts per million; µg/m<sup>3</sup>: micrograms per cubic meter; PM<sub>10</sub>: respirable particulate matter 10 microns or less in diameter; AAM: Annual Arithmetic Mean; –: No Standard; PM<sub>2.5</sub>: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; mg/m<sup>3</sup>: milligrams per cubic meter; NO<sub>2</sub>: nitrogen dioxide; SO<sub>2</sub>: sulfur dioxide; km: kilometer

<sup>a</sup> *National Primary Standards*: The levels of air quality necessary, within an adequate margin of safety, to protect the public health

<sup>b</sup> *National Secondary Standards*: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant

Note: More detailed information in the data presented in this table can be found at the CARB website ([www.arb.ca.gov](http://www.arb.ca.gov)).

Source: Psomas 2018b



### ***Sensitive Air Quality Receptors***

Sensitive receptors include, but are not limited to, children, the elderly, persons with preexisting respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. The project site is located on the Mt. SAC campus. In accordance with the Mt. SAC 2016 CEQA Thresholds of Significance, sensitive receptors are limited to off campus areas. However, for the purposes of this project, the nearest sensitive receptors are considered to be persons located in on-campus buildings including the Physical Education Center (Building 27C), Pool Building (Building 27B), the Pool, the Exercise Science/Wellness Center (Building 27A), the Technology Center (Building 28A/B), the Health Careers Center (Building 67A), and the Welding and Heating/Air Conditioning Buildings (Building 69), none of which would be considered sensitive receptors. The nearest off-campus sensitive land uses are residential uses located approximately 1,520 feet to the north of the project site.

### ***Thresholds of Significance***

#### **SCAQMD Air Quality Significance Thresholds**

The SCAQMD's Air Quality Analysis Handbook (CEQA Handbook) provides significance thresholds for both construction and operation of projects within the SCAQMD's jurisdictional boundaries. The SCAQMD recommends that projects be evaluated in terms of the quantitative thresholds established to assess both the regional and localized impacts of project-related air pollutant emissions. Mt. SAC uses the current SCAQMD thresholds to determine whether a proposed project would have a significant impact. These SCAQMD thresholds are identified in Table 5, South Coast Air Quality Management District Air Quality Significance Thresholds.

**TABLE 5  
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY  
SIGNIFICANCE THRESHOLDS**

<b>Mass Daily Thresholds (lbs/day)<sup>a</sup></b>		
<b>Pollutant</b>	<b>Construction<sup>b</sup></b>	<b>Operation</b>
VOC	75	55
NOx	100	55
CO	550	550
PM10	150	150
PM2.5	55	55
SOx	150	150
Lead	3	3
<b>Toxic Air Contaminants</b>		
TACs (carcinogenic and noncarcinogenic)	Maximum Incremental Cancer Risk $\geq$ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas $\geq$ 1 in 1 million) Chronic & Acute Hazard Index $\geq$ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO <sub>2</sub> eq for industrial facilities	
<b>Ambient Air Quality for Criteria Pollutants<sup>c</sup></b>		
NO <sub>2</sub>	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 1-hour average $\geq$ 0.18 ppm Annual average $\geq$ 0.03 ppm (state) and 0.0534 ppm (federal)	
PM10	24-hour average $\geq$ 10.4 $\mu\text{g}/\text{m}^3$ (construction) 24-hour average $\geq$ 2.5 $\mu\text{g}/\text{m}^3$ (operation) Annual average $\geq$ 1.0 $\mu\text{g}/\text{m}^3$	
PM2.5	24-hour average $\geq$ 10.4 $\mu\text{g}/\text{m}^3$ (construction) 24-hour average $\geq$ 2.5 $\mu\text{g}/\text{m}^3$ (operation)	
CO	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 1-hour average $\geq$ 20.0 ppm (State) 8-hour average $\geq$ 9.0 ppm (State/federal)	
Sulfate	24-hour average $\geq$ 1.0 $\mu\text{g}/\text{m}^3$	
Lead 30-day average Rolling 3-month average	1.5 $\mu\text{g}/\text{m}^3$ (State) 0.15 $\mu\text{g}/\text{m}^3$ (federal)	
<p>lbs/day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter with a diameter of 10 microns or less; PM2.5: fine particulate matter with a diameter of 2.5 microns or less; SOx: sulfur oxides; TAC: toxic air contaminant; SCAQMD: South Coast Air Quality Management District; GHG: greenhouse gas; MT/yr CO<sub>2</sub>eq: metric tons per year of carbon dioxide equivalent; NO<sub>2</sub>: nitrogen dioxide; ppm: parts per million; <math>\mu\text{g}/\text{m}^3</math>: micrograms per cubic meter.</p> <p><sup>a</sup> Source: SCAQMD CEQA Handbook (SCAQMD 1993)</p> <p><sup>b</sup> Construction thresholds apply to both the South Coast Air Basin and Coachella Valley (Salton Sea and Mojave Desert Air Basins).</p> <p><sup>c</sup> Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated.</p> <p>Revision: March 2015</p>		

**Thresholds of Significance**

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project's environmental impact.

<b>Environmental Topic in the CEQA Checklist</b>	<b>Impact</b>	<b>Mt. San Antonio Community College District Threshold of Significance</b>	<b>Agencies and Regulations</b>	<b>CEQA Procedures</b>
Air Quality	Localized and regional air quality	<p>An air quality impact for multiple projects in a FMP occurs if SCAQMD daily construction and daily operational thresholds, due to the net trip increase from baseline to buildout (based on fall student enrollment headcount increases), are exceeded; Site-specific project thresholds for single projects are stated below.</p> <p>A significant construction or operational air quality impact occurs if the SCAQMD construction and operation thresholds (See Table 1 of Report 15-116A) are exceeded.</p> <p>LST analysis is required for construction emissions for all site-specific projects of 56,000 asf (80,000 gsf); when a new building is located less than 417 feet (130 meters) from a sensitive receptor off-site (See Table 3 of Report 15-116A).</p> <p>See Report 15-116A for evaluating Scenario 1A in support of the air quality thresholds; watering twice per day, painting with 80 g/l or less to lower VOCs for the site-specific Scenario 1A.</p> <p>The stated thresholds apply to project air quality impacts only (existing + project baseline); not to air quality cumulative impacts (existing + project + cumulative).</p>	CARB; CalEPA; SCAQMD; SCAQMD LST standards	<p>All CalEEMod analyses shall include watering the project site at least twice per day during grading (MM-3h).</p> <p>If project air quality impacts are not significant, each site-specific project remains subject to the applicable air quality Mitigation Measures included in the latest approved FMP MMP.</p> <p>Renovation projects are usually excluded from further CalEEMod analyses because the construction activities do not result in significant net emissions.</p>

**Question A: Would the project conflict with or obstruct implementation of the applicable air quality plan?**

**No Impact.** On March 3, 2017, the SCAQMD adopted the 2016 Air Quality Management Plan (AQMP), which incorporates the latest scientific and technical information and planning assumptions, including the 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), updated emission inventory methodologies for various source categories, and Southern California Association of Government’s (SCAG’s) latest growth forecasts. The main purpose of an AQMP is to bring an area into compliance with the requirements of federal and State air quality standards. For a project to be consistent with the AQMP, the pollutants emitted from the project should not (1) exceed the SCAQMD CEQA air quality significance thresholds or (2) conflict with or exceed the assumptions in the AQMP.

As shown in the response to Question B, below, pollutant emissions from the proposed project would be less than the SCAQMD thresholds and would not result in a significant impact. The project provides transit infrastructure and seeks to promote the use of mass transit. Therefore, the project is consistent with the RTP/SCS and AQMP’s goal of air pollution reduction through the use of mass transit and alternative-fueled vehicles. Foothill Transit buses currently use alternative fuels (compressed natural gas) with a commitment to transitioning to an all-electric bus fleet by 2030. The location of the project at the Mt. SAC campus was intentionally selected to increase ridership by Mt. SAC students, faculty, and staff. The proposed project does not involve any uses or actions that would increase the projected enrollment on campus.

Because the project would not exceed the SCAQMD CEQA air quality significance thresholds, and is consistent with the goals and assumptions of the AQMP, no conflict with the 2016 AQMP would occur with the proposed project.

**Question B: Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?**

**Less than Significant Impact.** A project may have a significant impact if project-related emissions exceed federal, State, or regional standards or thresholds or if project-related emissions substantially contribute to an existing or projected air quality violation. The SCAQMD has developed construction and operational thresholds to determine whether projects would potentially result in contributing toward a violation of ambient air quality standards.

A project with daily emission rates below the SCAQMD’s established air quality significance thresholds (shown in Table 5) would have a less than significant effect on regional air quality. As discussed in the Air Quality and GHG Report provided in Appendix A, project emissions were estimated using the California Emissions Estimator Model (CalEEMod) based on construction activities provided by Foothill Transit.

**Construction Emissions**

Air pollutant emissions would occur from construction equipment exhaust; fugitive dust from demolition and site grading; exhaust from trucks hauling demolition debris and materials and from vehicles trips by construction workers; and VOCs from painting and asphalt paving operations. Project construction rules such as SCAQMD Rule 403, Fugitive Dust, detailed in MMs AQ-01 and AQ-07, which requires watering of active grading areas, have been incorporated into the proposed project and are included in the emissions calculations. Additional input details are included in Appendix A.

**Regional Emissions Thresholds – Maximum Daily Regional Emissions**

Table 6, Estimated Maximum Daily Regional Construction Emissions, presents the estimated maximum daily emissions during construction of the proposed project and compares the estimated emissions with the SCAQMD’s daily regional emission thresholds. As shown in Table 6, project construction mass daily emissions would be less than the SCAQMD’s thresholds for all criteria air pollutants assuming implementation of SCAQMD Rule 403 (MMs AQ-01 and AQ-07), as discussed previously. As such, emissions from construction activities would not violate any air quality standard or substantially contribute to an existing or projected air quality violation. Although no significant impacts would result, MMs AQ-02, AQ-03, AQ-04, AQ-05, AQ-06, and AQ-08 are standard requirements for projects on campus and would further reduce air quality emissions.

**TABLE 6  
ESTIMATED MAXIMUM DAILY REGIONAL CONSTRUCTION EMISSIONS**

Year	Emissions (lbs./day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
2019	2	26	16	<1	3	2
2020	2	16	14	<1	1	1
<i>Maximum</i>	2	26	16	<1	3	2
<i>SCAQMD Thresholds (Table 5)</i>	75	100	550	150	150	55
<b>Exceeds SCAQMD Thresholds?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
lbs./day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District Source: Psomas 2018b						

In accordance with the Mt. SAC CEQA Thresholds of Significance, the project does not require preparation of analysis pursuant to the SCAQMD localized significance threshold (LST) methodology. However, for informational purposes, Table 7 provides a LST analysis consistent with SCAQMD’s LST methodology. Consistent with the LST methodology guidelines, when quantifying mass emissions for localized analysis, only emissions that occur onsite are considered. For the CO and NO<sub>2</sub> LST exposure analysis, receptors who could be exposed for one hour or more are considered. For the PM10 and PM2.5 LST exposure analysis, receptors who could be exposed for 24 hours are considered. The nearest receptors that could be exposed for 1 hour are students, faculty and staff at the Physical Education Center (Building 27C), Pool Building (Building 27B), the Pool, and the Exercise Science/Wellness Center (Building 27A). The nearest receptors who could be exposed for 24 hours (e.g., residences) are located approximately 470 meters north of the project site. However, to provide a conservative analysis of potential localized air pollutant exposure, the nearest on-campus uses were analyzed with the shortest distance specified within the LST guidance (SCAQMD 2008) of 25 meters is used for all pollutants. Table 7 shows the highest maximum localized daily construction emissions for NO<sub>x</sub>, CO, PM10 and PM2.5 for onsite construction activities. These project related construction emissions would not exceed the localized significance thresholds developed by the SCAQMD to determine whether localized air quality impacts would occur at receptor locations proximate to the project site. Locations located further from these analyzed locations would result in less exposure to air pollutants. As such, no significant localized air quality impacts would occur from construction related air pollutant emissions attributable to the project.

**TABLE 7  
MAXIMUM LOCALIZED DAILY CONSTRUCTION EMISSIONS (LBS/DAY)**

Year	NO <sub>x</sub>	CO	PM10	PM2.5
Maximum Daily Emissions	23	15	3	2
<b>SCAQMD LST<sup>a</sup></b>	<b>103</b>	<b>612</b>	<b>4</b>	<b>3</b>
<b>Exceeds Thresholds</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

lbs/day: pounds per day; NO<sub>x</sub>: nitrogen oxides; CO: carbon monoxide; SCAQMD: South Coast Air Quality Management District; LST: Localized Significance Threshold.

<sup>a</sup> Thresholds for Source Receptor Area 10, Pomona/Walnut Valley for a 1-acre site, 25-meter receptor distance.  
Sources: SCAQMD 2008.

### Operational Emissions

Operational emissions comprise area, energy, and mobile source emissions. Area and energy source emissions are based on CalEEMod assumptions for the specific land uses and size. Because the project consists of bus bays with limited lighting and an all-gender single-user toilet facility and storage/electrical closet, and minor circulation improvements, emissions from area and energy sources are negligible.

The proposed project would not generate new vehicle trips but would result in mobile source emissions based on the additional travel distance of 0.25 mile per bus trip resulting from the rerouting of bus trips. Approximately 470 bus trips per day would be rerouted by the project; however, it is noted that all of the buses are fueled by compressed natural gas. Emissions associated with mobile sources were calculated based on CARB's EMFAC2017 emission factor model. This modeling incorporated the emission rates associated with compressed natural gas. Emissions are expected to reduce further in the future as the bus fleet transitions to an all-electric fleet in 2030. Estimated peak daily operational emissions are shown in Table 8, Peak Daily Operational Emissions.

**TABLE 8  
PEAK DAILY OPERATIONAL EMISSIONS**

Source	Emissions (lbs/day)					
	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM10	PM2.5
Area sources	<1	<1	<1	<1	<1	<1
Energy sources	<1	<1	<1	<1	<1	<1
Mobile sources	<1	<1	13	<1	<1	<1
<b>Total Operational Emissions*</b>	<b>1</b>	<b>&lt;1</b>	<b>13</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>
<i>SCAQMD Significance Thresholds (Table 5)</i>	55	55	550	150	150	55
<b>Significant Impact?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

lbs./day: pounds per day; VOC: volatile organic compounds; NO<sub>x</sub>: nitrogen oxides; CO: carbon monoxide; SO<sub>x</sub>: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District

\* Some totals do not add due to rounding.  
Note: CalEEMod and EMFAC model data sheets are included Appendix A.  
Source: Psomas 2018b

As shown in Table 8, the project's operational emissions would be less than the SCAQMD CEQA significance thresholds for all criteria pollutants. Therefore, the project's operational impact on regional emissions would be less than significant; and no mitigation is required.

**Question C: *Would the project 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?***

**Less than Significant Impact.** As identified in Table 3, the Los Angeles County portion of the SCAQMD is a nonattainment area for O<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and lead. The project would generate PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, and O<sub>3</sub> precursors (NO<sub>x</sub> and VOC) during short-term construction and long-term operations.

### **Construction Activities**

Construction activities associated with the proposed project would result in less than significant construction-related regional and localized air quality impacts, as quantified above in Table 6. SCAQMD's policy with respect to cumulative impacts associated with the above referenced pollutants and their precursors is that impacts that would be directly less than significant on a project-level would also be cumulatively less than significant. Therefore, consistent with SCAQMD policy, the cumulative construction impact of criteria pollutants would be less than significant.

### **Operational Activities**

As shown in Table 8, operational emissions for all analyzed pollutants would be below the SCAQMD CEQA significance thresholds. Therefore, the project would not contribute to a cumulatively considerable net increase of a pollutant for which the SoCAB is in nonattainment. Emissions of nonattainment pollutants or their precursors would not be cumulatively considerable and would be less than significant; no mitigation would be required.

**Question D: *Would the project expose sensitive receptors to substantial pollutant concentrations?***

**Less than Significant Impact.** A significant impact may occur when a project would generate pollutant concentrations to a degree that would significantly affect sensitive receptors, which include populations more susceptible to the effects of air pollution than the population at large. Exposure of sensitive receptors is addressed for the following situations: carbon monoxide (CO) hotspots, criteria pollutants and toxic air contaminants (TACs), specifically diesel particulate matter [DPM]) from on-site construction, and exposure to off-site TAC emissions.

### **Carbon Monoxide Hotspot**

In an urban setting, vehicle exhaust is the primary source of CO. Consequently, the highest CO concentrations generally are found close to congested intersections. Under typical meteorological conditions, CO concentrations tend to decrease as the distance from the emissions source (e.g., congested intersection) increases. Therefore, for purposes of providing a conservative worst-case impact analysis, CO concentrations typically are analyzed at congested intersection locations. If impacts are less than significant when measured near congested intersections, impacts would also be less than significant at more distant sensitive-receptors and other locations. An initial screening procedure is provided in the *Transportation Project-Level Carbon Monoxide Protocol* (CO Protocol), developed in 1997 for the California Department of Transportation to determine whether a project poses the potential to generate a CO hotspot. The key criterion is whether the

project would worsen traffic congestion at signalized intersections operating at level of service (LOS) E or F. If a project poses a potential for a CO hotspot, a quantitative screening is required.

The project would not result in an increase in bus trips nor would it substantially alter bus routes as compared to existing conditions. The additional travel distance of 0.25 mile from existing bus stops to the project site would be accommodated by the proposed traffic signal along Temple Avenue. The construction of this signal would ensure that traffic volumes along Temple Avenue and at the newly signalized intersection would not be negatively impacted due to the rerouting of the bus routes. Because the LOS of nearby intersections would not be worsened, the project is not considered to result in CO concentrations of such magnitude to exceed the State and federal ambient air quality standards. The impact would be less than significant.

### **Criteria Pollutants**

Exposure of persons to NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions is discussed in response to Question B, above. There would be no significant impacts, and no additional mitigation is required.

### **Toxic Air Contaminant Emissions**

Construction activities would result in short-term, project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment used for site preparation (e.g., demolition, excavation, and grading), paving, building construction, and other miscellaneous activities. CARB identified DPM as a TAC in 1998. The dose to which receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance or substances in the environment and the duration of exposure to the substance. Thus, the risks estimated for a maximally exposed individual (MEI) are higher if a fixed exposure occurs over a longer time period. According to the Office of Environmental Health Hazard Assessment, health risk assessments—which determine the exposure of sensitive receptors to TAC emissions—should be based on a 30-year exposure period; however, such assessments should be limited to the period/duration of activities associated with the project.

Relatively few pieces of off-road, heavy-duty diesel equipment would be operated; and the total construction period would be relatively short when compared to a 30-year exposure period. In addition, the nearest off-site residential development is located approximately 1,520 feet away. This large distance would allow for the relative low amounts of DPM generated by the project to disperse such that health risk exposure impact resulting from the project would be less than significant, and no mitigation is required.

The project's buses would be fueled by natural gas, which is a fuel present in many homes and is not considered to be a major source of TACs. Emissions from the combustion of natural gas by buses will be replaced by an all-electric bus fleet by 2030 that will not have any direct emissions. The use of alternative-fueled buses would reduce emissions compared to single-occupancy vehicles and increased traffic congestion.

### **Question E: *Would the project create objectionable odors affecting a substantial number of people?***

**No Impact.** According to the SCAQMD's *CEQA Air Quality Handbook*, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The project does not include any uses identified by the SCAQMD as being associated with odors and, therefore, would not produce objectionable odors. As such, the project would have no significant impact in regard to objectionable odors. No mitigation is required.



#### IV. BIOLOGICAL RESOURCES

The following MMs were identified in the 2016 Mitigation Monitoring Program prepared for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and are incorporated as part of the proposed project and assumed in the analysis presented in this section. It should be noted that BIO-06 and BIO-07 are standard conditions requiring compliance with the Federal Migratory Bird Treaty Act (MBTA). This is a mandatory requirement in compliance with State law.

**MM BIO-06.** Prior to removal of any trees on campus in or near construction areas of the 2015 FMPU during March–May, a qualified biologist shall survey the trees for active nesting sites. All recommendations of the final biological report shall be completed. Facilities Planning & Management shall ensure compliance.

**MM BIO-07.** If construction is planned during February 1–July 31 in potential raptor nesting habitat, pre-construction surveys of habitat within 500 feet of the construction area shall be completed. All recommendations of the final report shall be implemented. Facilities Planning & Management shall ensure compliance.

#### Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Biological Resources	Rare and endangered species	<p>Non-compliance with a Conservation Plan in the latest FMP for a site-specific project is a significant impact;</p> <p>Non-compliance with responsible agencies’ biological resources regulations, permits or environmental standards for the latest FMP or for a site-specific project is a significant impact; (See Section 1: Aesthetics for light and glare thresholds for biological resources areas)</p>	<p>USACE</p> <p>USFWS</p> <p>SWRCB</p> <p>CDFW</p>	<p>Approved permits from responsible agencies;</p> <p>Case studies if needed;</p> <p>Unless there are unusual circumstances, no additional mitigation for biological resources beyond that included in the latest approved FMP MMP.</p>

**Question A:** *Would the project 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.** The project site is located within a developed area and consists of roadway, driveway, and surface parking lot uses. Biological resources found on the project site include ornamental vegetation, including shrubs and mature trees, and a mature sycamore

located in the southeastern portion of the transit center site. It is noted that the sycamore tree is a known native species; as discussed previously in Section 2.0, Project Description, the existing mature sycamore tree would be retained and protected in place during construction and maintained on the transit center site during project operation. Due to the presence of trees on the project site, the site has the potential to be used by nesting birds and a limited potential to be used by nesting raptors protected by the MBTA. The MBTA makes it illegal to take, possess, buy, sell, purchase, or barter any migratory bird listed in the *Code of Federal Regulations* (Title 50, Part 10), including feathers, nests, eggs, or other avian products. This includes the active nests of all bird species, including common species. Impacts on an active bird/raptor nest would be considered potentially significant. Implementation of MM BIO-6 and MM BIO-7 are identified to ensure compliance with the MBTA. With implementation of MM BIO-6 and MM BIO-7, the proposed project would be consistent with the MBTA and impacts would be less than significant. No mitigation measure are required.

**Question B:** *Would the project 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 US Fish and Wildlife Service?*

**Question C:** *Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?*

**No Impact.** The project site is composed entirely of developed and landscaped areas. No riparian habitat and no sensitive communities identified in local or regional plans or policies by the California Department of Fish and Wildlife (CDFW) or by the U.S. Fish and Wildlife Service (USFWS) are located on the project site. Additionally, the project site does not support any federally protected wetlands as defined by Section 404 of the Clean Water Act; therefore, the proposed project would not impact any marsh, vernal pool, or coastal habitats. No impact would occur, and no mitigation would be required.

**Question D:** *Would the project 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?*

**No Impact.** The project site exists as a developed area, is surrounded by existing buildings and roads, and lacks connectivity to natural open space areas. Therefore, the project site does not function as a wildlife movement corridor or a wildlife nursery site. No impact would occur, and no mitigation is required.

**Question E:** *Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?*

**No Impact.** Although ornamental trees and vegetation would be removed with implementation of the proposed project, the project is not subject to any additional applicable policies or ordinances related to the protection of biological resources on the project site, including the Mt. San Antonio College California Black Walnut Management Plan (HELIX 2012) Additionally, the project would preserve and maintain the existing sycamore tree in place. Therefore, no impacts would occur, and no mitigation is required.

**Question F: Would the project 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 a USFWS or CDFW designated habitat conservation plan or natural community conservation plan. It should be noted that the campus is organized into multiple zones, including three which support biological resources and habitats: (1) the Land Use Management and Athletics Zone, (2) the Wildlife Sanctuary/Open Space Zone, and (3) the Agricultural/Sustainable Development Zone. The project site is not located in these designated areas on campus and would not conflict with these campus plans. The proposed project would not conflict with any adopted habitat or conservation plans. No impact would occur, and no mitigation is required.

**V. CULTURAL RESOURCES**

The following MM was identified in the 2016 Mitigation Monitoring Program prepared for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and is incorporated as part of the proposed project and assumed in the analysis presented in this section. It should be noted that MM CR-02 is a standard condition requiring compliance with Section 5097.98 of the California Public Resources Code (PRC) and Section 7050.5 of the California Health and Safety Code. This is a mandatory requirement in compliance with State law.

**MM CR-02.** If, during the course of implementing the project, human remains are discovered, all work shall be halted immediately within 50 feet of the discovery, the contractor shall inform the project manager, and the Los Angeles County Department of Medical Examiner-Coroner must be notified according to Section 5097.98 of the California Public Resources Code (PRC) and Section 7050.5 of the California Health and Safety Code. If the remains are determined to be Native American, the coroner will notify the Native American Heritage Commission (NAHC), and the procedures outlined in CEQA Section 15064.5(d) and (e) shall be followed. Facilities Planning & Management shall ensure compliance.

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

<b>Environmental Topic in the CEQA Checklist</b>	<b>Impact</b>	<b>Mt. San Antonio Community College District Threshold of Significance</b>	<b>Agencies and Regulations</b>	<b>CEQA Procedures</b>
Cultural Resources	Historic, archaeological and paleontological resources	Non-compliance with California law and/or an approved final cultural resources study’s mitigation measures is a significant impact for a FMP or a site-specific project.	OHP  NAHC  California Assembly Bill No. 52  California Senate Bill No. 18	Case studies  Unless there are special circumstances, no additional mitigation for cultural resources beyond that included in a case study or the latest approved FMP MMP.

The following analysis is based on Appendix B, *Cultural and Tribal Cultural Resources Study for the Mt. San Antonio College Transit Center Project, Walnut, Los Angeles County, California* (Cultural and Tribal Cultural Resources Study), prepared by Psomas (2018c).

**Question A: *Would the project cause a substantial adverse change in the significance of a historical resource as defined in §15064.5 of the CEQA Guidelines?***

**No Impact.** According to the City of Walnut General Plan, there are no designated historic sites in the vicinity of the project site (Walnut 2018). Additionally, an archival records search conducted in 2016, for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and a subsequent records search conducted in 2018 revealed that a single resource, the Mt. SAC Historic District (P-19-186869), is located within the ½-mile search radius. The Mt. SAC Historic District has been determined to not be eligible for the National Register of Historic Places (NRHP); however, it is recommended as eligible for the California Register of Historic Resources (CRHR). None of the contributing resources associated with the Mt. SAC Historic District are located within the project site's area of potential effect (APE); therefore, the project would not result in an impact to a historical resource as defined in Section 15064.5 of the CEQA Guidelines.

**Question B: *Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5 of the CEQA Guidelines?***

**No Impact.** In 2016 an archival records search was conducted for the Mt. SAC 2015 FMPU and PEP Program/Project EIR, consisting of an examination of the U.S. Geological Survey's 7.5-minute San Dimas Quadrangle. The results of the records search determined that nine cultural resource inventories and/or research projects have occurred within a ½-mile radius of the Mt. SAC campus. A subsequent records search was conducted in 2018 which revealed that 15 cultural resource studies have been conducted within ½ mile of the APE; none of the studies included the APE. The closest studies were conducted a short distance north and south of the project site. The remaining 13 cultural resources studies were located to the south, southeast, southwest, north, northeast, and northwest of the project site.

In 2018, a pedestrian survey of the project APE was performed, encompassing all areas where ground disturbance is proposed. The entire APE has been developed, with ground surfaces obscured by sidewalks, parking lots, and introduced landscaping. No archaeological artifacts, features, or deposits were identified within the project APE.

Given the results of previous studies conducted within the vicinity of the APE, the negative pedestrian field survey, and the degree of modern disturbance within the APE, it is not expected that project activities within the APE would encounter cultural resources. Exploratory borings conducted for the Geotechnical Study Report indicate the project area is underlain by fill materials up five feet in depth. Project excavations are not anticipated to exceed five feet of depth for construction of the proposed project; therefore, disturbance of native sediment would not occur during grading and excavation activities and there would be no impact to previously unidentified archaeological resources. Since no native sediments would be disturbed, construction monitoring for archaeological and cultural resources would not be required. No impacts to archaeological and cultural resources would occur, and no mitigation is required.

**Question C: *Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?***

**No Impact.** A paleontological resources records search and scientific literature review for the project area was conducted by Dr. Samuel McLeod of the Vertebrate Paleontology Section of the National History Museum of Los Angeles County (NHMLAC) on April 5, 2018. The paleontological

records search revealed that the APE is composed of younger Quaternary Alluvium, derived as alluvial fan deposits from the San Jose Hills immediately to the north. The younger Quaternary alluvial deposits are not likely to contain significant vertebrate fossils; however, deeper excavations within the APE may encounter significant fossils. No fossil localities that lie within the APE were found during the NHM records search, although many nearby have been recorded from older Quaternary sediments. Los Angeles County Museum ("LACM") 1652, along Rio Vista Avenue south of Lincoln Avenue just north-northeast of the APE, produced a fossil specimen of *Ovis* (sheep). The next closest fossil locality is LACM 8014, east-southeast of the proposed APE in the northeastern Puente Hills just southwest of the intersection of the Riverside Freeway (State Route 60) and the Corona Freeway (State Route 71), that produced a fossil specimen of bison, *Bison*. A little farther to the east-southeast from the proposed APE, in English Canyon west of Chino, the Quaternary locality LACM 1728 produced fossil specimens of horse, *Equus*, and camel, *Camelops*, at a depth of 15 to 20 feet below the surface.

In the surrounding elevated terrain there are exposures of the marine late Miocene Puente Formation, also sometimes considered to be part of the Monterey Formation in this area, with the youngest member of the Puente Formation referred to as the Sycamore Canyon Formation. The closest vertebrate fossil locality from the Puente Formation is LACM 6171, due west of the proposed APE in the hills on the west side of Collegewood Drive, that produced a fossil fish specimen of herring, *Ganolytes*. The next closest fossil vertebrate locality from the Puente Formation is LACM 7153, just south east of the proposed APE south of Temple Avenue and west of Valley Boulevard, that produced many specimens of fossil pipefish including the holotype (name-bearing specimen of a species new to science) of the pipefish *Syngnathus emeritus*, published by R. A. Fritzsche (1980). Further to the southeast of the APE, in Diamond Bar south and west of the intersection of the Pomona Freeway (State Route 60) and the Orange Freeway (State Route 57), the Puente Formation locality LACM 7190 produced a fauna of fossil fish including deep sea smelts, Bathylagidae; lantern fish, Myctophidae; jacks, Carangidae; and herrings, *Ganolytes* and *Etringus*.

Similar to archaeological resources, the project area is underlain by fill materials up five feet in depth. Project excavations are not anticipated to exceed five feet of depth for construction of the proposed project; therefore, disturbance of native sediment would not occur during grading and excavation activities and there would be no impact to previously unidentified paleontological resources. Since no native sediments would be disturbed, construction monitoring for paleontological resources would not be required. No impacts would occur, and no mitigation is required.

**Question D: Would the project disturb any human remains, including those interred outside of dedicated cemeteries?**

**Less Than Significant Impact.** The project site has been heavily disturbed from previous development activities associated with Mt. SAC, and there are no known formal cemeteries on the project site. However, this does not preclude the possibility that individual burial sites may be discovered during grading activities. Compliance with Section 5097.98 of the California Public Resources Code (PRC) and Section 7050.5 of the California Health and Safety Code, as required in MM CR-02, require the County Coroner to be notified immediately if any human remains are encountered. Impacts to human remains would be less than significance with implementation of MM CR-02. As previously indicated, MM CR-02 is a mandatory requirement in compliance with State law. No mitigation is required.

**VI. GEOLOGY AND SOILS**

The following MM was identified in the 2016 Mitigation Monitoring Program prepared for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and is incorporated as part of the proposed project and assumed in the analysis presented in this section. It should be noted that inclusion of recommendations from final geotechnical reports is a standard condition applied to all projects on campus (not just project included in the 2015 FMPU).

**MM MR-01.** All recommendations in the final geotechnical report(s) for projects included in the 2015 FMPU shall be included in construction contracts and implemented. Facilities Planning & Management shall ensure compliance.

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Open Space, Managed Resources and Working Landscapes	Open spaces containing natural resources and working landscapes;  Conversion of oak woodlands;  Groundwater recharge;  Soil erosion or the loss of topsoil;  Special management due to hazards including unstable soil areas, liquefaction zones, areas subject to landslides and expansive soil areas;	Construction of a new building on campus located in a California Seismic Hazard Zone is a significant impact;  Exposure of buildings or persons to liquefaction or subsidence safety hazards identified in an approved site-specific or FMP geology/soils report is a significant impact;  Safety risks for buildings or persons due to expansive soil identified in an approved site-specific or FMP geology/soils report is a significant impact;	CGS  DSA	Case studies;  State law and civil engineers’ recommendations;  Unless there are unusual circumstances, no additional mitigation for geology/soils beyond that included in the latest approved FMP MMP;  Obtain assessment and recommendations from civil engineers if damage from ground-borne vibration may occur during construction;

The following analysis is based on Appendix C, *Geotechnical Study Report for Proposed Parking Lot D-3 Improvement and Elevator Addition Project, Mt. San Antonio College, Walnut, California* (Geotechnical Study Report), prepared for the transit center site by Converse Consultants (2017). Due to the proximity of the transit center site to the other components of the project (Temple Avenue improvements, bollard hardscape improvements, and driveway expansion and pedestrian corridor area), it can be assumed that findings of the Geotechnical Study Report also applies to these sites.

**Question A: *Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:***

- (i) ***Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.***

**Less Than Significant Impact.** The project site, as with the entire Southern California region, is subject to secondary effects from earthquakes. Ground rupture occurs when movement on a fault breaks through the surface. The State of California has established Earthquake Fault Zones for the purpose of mitigating the hazard of fault rupture by prohibiting the location of most human occupancy structures across the traces of active faults. The transit center site is not located within a currently designated State of California Earthquake Fault Zone (Alquist-Priolo Studies Zone) for surface fault rupture (Converse 2017). Due to the proximity of the transit center site to the other components of the project, it can be concluded that these sites are also not located within a currently designated State of California Earthquake Fault Zone. Implementation of the proposed project would be consistent with existing codes and regulations. Therefore, development of the proposed project would result in a less than significant impact related to rupture of a known earthquake fault, and no mitigation is required.

**Question A: *Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:***

- (ii) ***Strong seismic ground shaking?***

**Less Than Significant Impact.** The Mt. SAC campus is situated in a seismically active area that has historically been affected by generally moderate to occasionally high levels of ground motion. The closest known faults to the project site with a mappable surface expression are the San Jose Fault, located approximately 0.4 mile to the north, and the Chino-Central Avenue Fault, located approximately 4.0 miles to the south. Because the project site is located in a seismically active region, as is all of Southern California, the Geotechnical Study Report identifies that the project area would likely experience ground shaking during the life of the project.

All structures constructed as part of the proposed project would be designed in accordance with applicable building standards at the time the grading plans are submitted. The Geotechnical Study Report concludes that the proposed project is feasible from a geotechnical standpoint, provided the recommendations provided in the Geotechnical Study Report are incorporated into the design and construction of the proposed project. Implementation of recommendations identified in the Geotechnical Study Report is standard practice at Mt. SAC (refer to MM MR-01). Adherence to all applicable building codes and implementation of the recommendations in the Geotechnical

Study Report would ensure that impacts associated with ground shaking would be less than significant. No mitigation is required.

**Question A: Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:**

**(iii) Seismic-related ground failure, including liquefaction?**

**Less Than Significant Impact.** Liquefaction is the sudden decrease in the strength of cohesionless soils due to dynamic or cyclic shaking. The potential for liquefaction decreases with increasing clay and gravel content but increases as the ground acceleration and duration of shaking increase. According to the State of California Seismic Hazard Zones Map, the transit center site is located within an area of potential liquefaction (Converse 2017). Liquefaction analyses were performed in the Geotechnical Study Report and concluded that the transit center site is not susceptible to liquefaction (Converse 2017). Due to the proximity to the other components of the project, it can be assumed that these sites would also not be susceptible to liquefaction either. According to the Geotechnical Study Report, the project does have a potential for differential settlement which should be considered during foundation design. The Geotechnical Study Report concludes that the proposed project is feasible from a geotechnical standpoint, provided the recommendations provided in the Geotechnical Study Report are incorporated into the design and construction of the proposed project. Implementation of recommendations identified in the Geotechnical Study is standard practice at Mt. SAC (refer to MM MR-01). Therefore, impacts would be considered less than significant.

Lateral spreading is demonstrated by near-vertical cracks with predominantly horizontal movement of the soil mass involved. According to the Geotechnical Study Report, the topography at the transit center site and in the immediate vicinity is gently sloping, with no significant nearby slopes or embankments and shallow sedimentary bedrock. Under these circumstances, the Geotechnical Study Report concluded that the potential for lateral spreading at the transit center site is considered negligible. Due to the proximity to the other components of the project, it can be assumed that these sites would also have a negligible potential for lateral spreading.

Therefore, the proposed project would not be exposed to seismic-related ground failure, and no mitigation is required. The Geotechnical Study Report concludes that the proposed project is feasible from a geotechnical standpoint, provided the recommendations provided in the Geotechnical Study Report are incorporated into the design and construction of the proposed project. Implementation of recommendations identified in the Geotechnical Study Report is standard practice at Mt. SAC (refer to MM MR-01). Impacts related to seismically-induced settlement would be less than significant and no mitigation is required.

**Question A: Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:**

**(iv) Landslides?**

**Less Than Significant Impact.** Earthquake-induced landslides occur in areas where previous landslides have occurred and in areas where the topographic, geologic, geotechnical, and subsurface groundwater conditions are conducive to permanent ground displacements. According to the Geotechnical Study Report, the transit center site is located within a gently sloping alluvial basin with surrounding hillsides. In the absence of significant ground slopes near the site, the potential for seismically induced landslides to affect the proposed site is considered to be very low (Converse 2017). The Geotechnical Study Report did not identify seismically induced landslides as a potential effect of ground shaking (Converse 2017). Due to the proximity to the other components of the project, it can be assumed that these sites would also have a very



low potential for landslides. In addition, no portion of the campus is identified on the State of California Seismic Hazard Zones San Dimas Quadrangle (DMG 1998) as “Earthquake-Induced Landslide” area. Therefore, the impact related to potential exposure to seismic-related landslides would be less than significant, and no mitigation is required.

**Question B: *Would the project result in substantial soil erosion or the loss of topsoil?***

**Less Than Significant Impact.** The project site is currently developed with roadway, driveway, and surface parking lot uses and includes limited vegetation within landscaped areas. The proposed project would create a similar amount of impervious surface area with a minor increase in pervious surfaces associated with landscaped areas, thus exposing additional topsoils to erosion and loss of topsoil. However, construction activities associated with the proposed project would be required to comply with standard construction practices, and the proposed project would comply with the National Pollutant Discharge Elimination System (NPDES) Construction General Permit through the development and implementation of a stormwater pollution prevention plan (SWPPP). As part of the SWPPP, erosion and sediment control Best Management Practices (BMPs) would be required as discussed in Section IX, Hydrology and Water Quality. In addition to the requirements of the NPDES General Construction Permit, regulatory and grading permit requirements include provisions that require reduction of erosion and sedimentation impacts during construction. Full compliance with applicable local, State, and federal regulations would ensure that water quality impacts resulting from erosion during construction would be less than significant. No significant impacts related to erosion on the project site are anticipated and no mitigation is required.

**Question C: *Would the project 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 Impact.** According to the Geotechnical Study Report, soil materials encountered at the transit center site consist of existing fill soils placed during previous site grading operations overlying natural alluvial sediments. Undocumented fills approximately 5 feet in thickness were encountered in soil borings. Deeper artificial fill may exist at the project site. The fill soils encountered consisted primarily of silty sands, sandy silts, and silts. The alluvial soil deposits below the fill primarily consist of silty sands, sands, clayey sands, silty clays, and silts. The Geotechnical Study Report recommends that all loose soils, fill, and soils disturbed during demolition should be removed. Due to the proximity to the other components of the project, it can be assumed that these sites are underlain by similar geologic materials and the same recommendations would apply.

As discussed previously, the Geotechnical Study Report concluded that the potential for earthquake-induced landslides, lateral spreading, and liquefaction would be negligible to very low and not represent a significant impact. Additionally, no water extractions or similar practices are anticipated to be necessary that are typically associated with project-related subsidence effects.

Project construction would be required to comply with applicable building standards. Also, the Geotechnical Study Report concludes that the project is feasible from a geotechnical standpoint, provided the recommendations in the Geotechnical Study Report are incorporated into the design and construction of the proposed project. Implementation of recommendations identified in the Geotechnical Study is standard practice at Mt. SAC (refer to MM MR-01). There would be less than significant impacts related to unstable soils with adherence to applicable building code requirements and building standards and with implementation of recommendations identified in the Geotechnical Study Report. No mitigation is required.

**Question D: *Would the project be located on expansive soil, as defined in Section 1803.5.3 of the California Building Code (2010), creating substantial risks to life or property?***

**Less Than Significant Impact.** Expansive soils are materials that, when subject to a constant load, are prone to expand when exposed to water. Foundations constructed on these soils are subject to uplifting forces caused by swelling. As stated in the Geotechnical Study Report, the upper 5 feet of soils on the transit center site has a very low to medium expansion potential. Because on-site soil materials would be mixed during grading and the expansion potential may change, the Geotechnical Study Report recommends that expansion potential of soils be verified after grading. Due to the proximity of the transit center site to the other components of the project, it can be assumed that soils at these sites may also have a very low to medium expansion potential.

Project construction would be required to comply with all applicable building standards. Also, the Geotechnical Study Report concludes that the project is feasible from a geotechnical standpoint, provided the conclusions and recommendations in the Geotechnical Study Report are incorporated into the project plans and specifications and are followed during construction of the proposed project. Implementation of recommendations identified in the Geotechnical Study Report is standard practice at Mt. SAC (refer to MM MR-01). There would be less than significant impacts related to expansive soils with adherence to applicable building code requirements and building standards and with implementation of recommendations identified in the Geotechnical Study Report. No mitigation is required.

**Question E: *Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?***

**No Impact.** The proposed project would not involve the use of septic tanks or an alternative wastewater disposal system. No impacts would occur, and no mitigation is required.

**VII. GREENHOUSE GAS EMISSIONS**

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Greenhouse Gas Emissions	CO <sup>2</sup> EQ annual operational emissions and annualized construction emissions	<p>Written evidence supporting the District’s GHG emissions thresholds is identified in Footnote 4.</p> <p>Site-specific projects of less than 3.0 acres with import or export of 10,000 cy and buildings of 56,000 asf (80,000 gsf) do not exceed the GHG standard of 3,000 MT/Year CO<sup>2</sup>EQ for annual operational and 30-year amortized construction GHG emissions. See Table 5 of Report 15-116A</p> <p>See Report 15-116A for information regarding the GHG thresholds<sup>4</sup>; all assumptions for Scenario 1A for air quality (i.e., watering twice per day, and painting with 80 g/l or less) are required in a GHG analysis.</p> <p>The stated GHG thresholds apply to GHG impacts only (existing + project balance); not to GHG cumulative impacts (existing + project + cumulative) or global GHG emission impacts.</p>	CalEPA  CARB	<p>Same criteria as stated for air quality in Section 2: Air Quality</p> <p>If GHG projects are not significant, each project remains subject to the applicable GHG MM in the latest approved FMP MMP (i.e., as conditions of approval) to reduce GHG regional emissions</p>

The following analysis is based on the *Air Quality and Greenhouse Gas Emissions Analysis for the Proposed Mt. SAC Transit Center Project in the City of Walnut, California* (Air Quality and GHG Report), prepared by Psomas (2018b), which is included in Appendix A of this IS. Refer to Appendix A for an overview of the applicable regulations related to greenhouse gas emissions.

**Question A: Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

**Less than Significant Impact.** Based on the proposed construction activities described previously, the principal source of construction GHG emissions would be internal combustion engines of construction equipment, on-road construction vehicles, and workers' commuting vehicles. GHG emissions from construction activities were obtained from the CalEEMod model. The estimated construction GHG emissions for the project would be 198 MTCO<sub>2e</sub>, as shown in Table 9, Estimated Greenhouse Gas Emissions from Construction.

**TABLE 9  
ESTIMATED GREENHOUSE GAS  
EMISSIONS FROM CONSTRUCTION**

Source	Emissions (MTCO <sub>2e</sub> )
2019	104
2020	94
<b>Total</b>	<b>198</b>
MTCO <sub>2e</sub> : metric tons of carbon dioxide equivalent	
Notes:	
<ul style="list-style-type: none"> <li>Totals may not add due to rounding variances.</li> <li>Detailed calculations in Appendix A.</li> </ul>	
Source: Psomas 2018b	

Operational GHG emissions would come primarily from the increased trip length associated with rerouting buses from the existing bus stops to the proposed transit center; other sources include electricity. Estimated project operational GHG emissions are shown in Table 10, Estimated Annual Greenhouse Gas Emissions from Project Operation.

**TABLE 10  
ESTIMATED ANNUAL GREENHOUSE GAS  
EMISSIONS FROM PROJECT OPERATION**

Source	Emissions (MTCO <sub>2e</sub> /yr)
Area	<1
Energy	6
Mobile	93
Waste	<1
Water	<1
<b>Total Operational Emissions</b>	<b>99</b>
MTCO <sub>2e</sub> /yr: metric tons of carbon dioxide equivalent per year	
Notes:	
<ul style="list-style-type: none"> <li>Totals may not add due to rounding variances.</li> <li>Detailed calculations in Appendix A.</li> </ul>	
Source: Psomas 2018b	

Because impacts from construction activities occur over a relatively short period of time, they contribute a relatively small portion of the GHG emissions for the overall lifetime of the project. In addition, GHG emission reduction measures for construction equipment are relatively limited. The

SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime so that GHG reduction measures address construction GHG emissions as part of the operational GHG reduction strategies (SCAQMD 2008). Therefore, construction and operational emissions are combined by amortizing the construction and operations over an assumed 30-year project lifetime. This combination is shown in Table 11, Estimated Total Project Annual Greenhouse Gas Emissions.

**TABLE 11  
ESTIMATED TOTAL PROJECT ANNUAL  
GREENHOUSE GAS EMISSIONS**

Source	Emissions (MTCO <sub>2</sub> e/yr <sup>a</sup> )
Construction Amortized	7 <sup>a</sup>
Operations (Table 14)	99
<b>Total<sup>b</sup></b>	<b>106</b>
<b>SCAQMD Threshold</b>	<b>3,000</b>
<b>Exceeds Threshold?</b>	<b>No</b>
MTCO <sub>2</sub> e/yr: metric tons of carbon dioxide equivalent per year; SP: service person; yr: year	
<sup>a</sup> Total derived by dividing construction emissions (see Table 12) by 30.	
<sup>b</sup> Total annual emissions is the sum of amortized construction emissions and operational emissions.	
Source: Psomas 2018b	

As noted above, Mt. SAC has established a GHG thresholds related to project-level emissions from land use projects. The threshold for combined amortized construction and operational emissions is 3,000 metric tons of carbon dioxide equivalent per year (MTCO<sub>2</sub>e/yr). The GHG emissions for the project would be 106 MTCO<sub>2</sub>e/yr, as shown in Table 11, which is below the threshold of 3,000 MTCO<sub>2</sub>e/yr. The project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. The impact would be less than significant, and no mitigation is required.

**Question B: *Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?***

**Less than Significant Impact.** Foothill Transit has adopted alternative-fueled transit for the purpose of reducing air pollutant and GHG emissions. As shown in Table 10, Estimated Total Project Annual Greenhouse Gas Emissions, the project's GHG emissions would be below the threshold of significance established by Mt. SAC. The State policy and standards adopted for the purpose of reducing GHG emissions that are applicable to the proposed project are Executive Order S-3-05, Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006, and Senate Bill (SB) 32, which are further discussed in Appendix A. The quantitative goal of these regulations is to reduce GHG emissions to 1990 levels by 2020 to 80 percent below 1990 levels by 2050; and, for SB 32, to 40 percent below 1990 levels by 2030. Statewide plans and regulations (such as GHG emissions standards for vehicles, the Low Carbon Fuel Standard, Cap-and-Trade, and renewable energy) are being implemented at the statewide level; and compliance at a project level is not addressed. Therefore, the proposed project does not conflict with these plans and regulations but would assist in achieving the statewide goal through use of alternative fuels and providing alternatives to higher GHG emissions associated with single-occupant vehicles.

Mt. SAC has prepared a draft of the *Mt. San Antonio College 2018 Climate Action Plan* (draft Climate Action Plan), which acknowledges the concept that the use of mass transit and alternative fuels have a lower GHG content than diesel or gasoline. The proposed project is an infill and transit infrastructure development project. The project is located within the Mt. SAC campus, which would promote the use of mass transit by students, faculty, and staff due to the proximity of this project to the campus. The project would also provide the required infrastructure to accommodate electric bus charging stations. Foothill Transit has committed to having an all-electric bus fleet by the year 2030. The provision of low emissions transit service supports the goals and policies of the SCAG 2016–2040 RTP/SCS, as described above, thereby also supporting the Sustainable Communities and Climate Protection Act of 2008 (SB 375) and AB 32 goals. The project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. The impact would be less than significant, and no mitigation is required.

### VIII. HAZARDS AND HAZARDOUS MATERIALS

#### Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Hazards/Hazardous Materials	Public exposure to hazardous materials	Non-compliance with an approved Phase 1 or Phase 2 ESA Report’s recommendations is a significant impact.	Cal/OSHA CalEPA DSA LACoFD	Case studies  Unless there are unusual circumstances, no additional mitigation for hazards beyond that included in the latest approved FMP MMP.

**Question A: *Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?***

**Less Than Significant Impact.** The proposed project would use hazardous materials for construction, operation, and maintenance. These materials would involve the use of chemical substances such as solvents, paints, fuel for equipment, and other potentially hazardous materials. These materials are common to typical construction and operational activities and do not pose a significant hazard to the public or the environment. Existing federal and State regulations regarding the handling and transport of these materials, including Title 49 of the Code of Federal Regulations Parts 171–180 and Title 13 of the California Code of Regulations Sections 1160–1167, provide sufficient safeguards to protect against a significant hazard to the community associated with an accidental release of hazardous materials. The proposed project would not utilize, store, or generate hazardous materials or wastes in quantities that may pose a significant hazard to the public. This impact is less than significant, and no mitigation is required.

**Question B: *Would the project 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.** During the construction and operational phases of the project, there is a limited risk of accidental release of hazardous materials such as gasoline, oil, or other fluids in the operation and maintenance of construction equipment and buses. However, use of these materials is typical during operation and maintenance of construction equipment and would be conducted in compliance with applicable State and local regulations. The proposed project would require demolition of the existing surface parking area and it is not anticipated that hazardous materials would be encountered during these activities due to the lack of known hazardous materials spills (EDR 2017). This impact is less than significant, and no mitigation is required.

**Question C: *Would the project 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.** An existing child care facility is located at the Mt. San Antonio College Child Development Center (Buildings 70, 71, and 72) on campus which provides child care to children of college students, staff, and the community at large year-round. The on-campus Child Development Center is located within 0.25 mile north of the project site. The proposed project would involve development of a transit center and associated circulation improvements and would not involve the use, storage, handling, transport, or emission of hazardous materials in a manner or quantity that would result in a risk to the child care facility identified above. The use of the proposed transit center would be conducted in compliance with applicable local and State requirements. Therefore, no significant impact would occur, and no mitigation is required.

**Question D: *Would the project 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?***

**Less than Significant Impact.** *The EDR Radius Map™ Report with GeoCheck®: Mt. San Antonio College Parking & Circulation MP, 1100 N. Grand Avenue, Walnut, California 91789 (Inquiry Number 5085390.2s) (EDR Report)* was prepared for the proposed project by Environmental Data Resources (EDR) (2017) and is included as Appendix D to this IS. The EDR Report incorporates data from a search of government databases to determine the presence or absence of significant hazardous materials or conditions on or near the project area. The project area is not located on a site which is included on a list of hazardous materials sites compiled pursuant to *Government Code Section 65962 (Cortese List)*.

Based on the information provided in the EDR Report, two cluster database listings (Cluster A and Cluster B) and 13 additional database listings are identified within a 1-mile radius of the project site; however, no listings are identified as being on the project site. Those listings that occur on surrounding properties would not create a significant hazard to the public or the environment. Therefore, no significant impact would occur from implementation of the proposed project, and no mitigation is required.

**Question 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 of public use airport, would the project result in a safety hazard for people residing or working in the project area?***

**Question F: For a project within the vicinity of a private airstrip, heliport or helistop, would the project result in a safety hazard for people residing or working in the project area?**

**No Impact.** The project site is not located within 2 miles of a public airport or public use airport. The nearest airport is Brackett Field, which is located approximately 4.5 miles northeast of the project site. This airport serves general aviation (GA) aircraft. According to the Brackett Field Airport Land Use Compatibility Plan (LACALUC 2015), the project site is not located in the Airport Influence Area of the airport; therefore, no impact would result, and no mitigation is required.

**Question G: Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**

**Less Than Significant Impact.** Mt. SAC has a Campus Emergency Response and Evacuation Plan (Mt. SAC 2018a) that identifies procedures for emergencies, including building evacuation procedures and evacuation assembly areas. Additionally, the City of Walnut provides emergency planning and preparedness to provide guidance for the City's response to emergency situations such as natural disasters, brush hazards, and emergency flood planning (Walnut 2018). The City does not have an adopted emergency response plan or emergency evacuation plan.

It is noted that the transit center site is designated as an Assembly Area (A5) in the Campus Emergency Response and Evacuation Plan. Following construction of the proposed project, the transit center would continue to serve as an Assembly Area. The transit center has been designed to accommodate emergency access and emergency response vehicles and equipment and the proposed pedestrian improvements associated with the transit center site and the other project elements will enable the transit center site to continue to serve as an assembly area.

As detailed previously in Section 2.0, Project Description, the bollard hardscape improvement area and the driveway expansion and pedestrian circulation area would both include installation of bollards to prohibit vehicular access; however, these bollards would be removable in order to permit emergency vehicle access. Implementation of the proposed project would not interfere with the implementation of the Campus Emergency Response and Evacuation Plan or the City's emergency planning and preparedness guidance. During project construction and operation, and consistent with the existing conditions, should an emergency occur on the campus that would necessitate evacuation, the roadways surrounding the campus would provide access. Therefore, the proposed project would not conflict with an emergency response or evacuation plan; no impacts would occur, and no mitigation is required.

**Question H: Would the project expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?**

**No Impact.** The project site is located in an urbanized area, and no wildlands are located on the project site or on the campus. According to the City of Walnut General Plan, the City of Walnut contains several areas that are designated Very High Fire Hazard Severity Zones, including the area immediately north of the campus; however, the project area is surrounded by development associated with the campus and is not located in or adjacent to a Very High Fire Hazard Severity Zone (Walnut 2018). Therefore, no impact would occur, and no mitigation would be required.



**IX. HYDROLOGY AND WATER QUALITY**

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Hydrology/Water Quality	Adequate facilities  Water quality  Erosion or exceed the capacity of the Master Stormwater Drainage Plan	Non-compliance with an applicable SWPPP  Non-compliance with an applicable WQMP	DPW’s Hydrology Manual  NPDES – SWPPP – WQMP regulations	Case studies  Unless there are unusual circumstances, no additional mitigation for hydrology and water quality beyond that included in the latest approved FMP MMP.

**Question A:** *Would the project violate any water quality standards or waste discharge requirements?*

**Question F:** *Would the project otherwise substantially degrade water quality?*

**Less Than Significant Impact.** The potential impacts of construction activities, construction materials, and non-stormwater runoff on water quality during construction would primarily be due to sediment and certain non-sediment related pollutants. Construction-related activities, such as site grading, would be primarily responsible for sediment releases related to exposing previously stabilized soils to potential mobilization by rainfall/runoff and wind. Non-sediment related pollutants that are also of concern during construction relate to construction materials and non-stormwater flows and include construction materials, chemicals, liquid products, and petroleum products used in construction or the maintenance of heavy equipment; and concrete-related pollutants.

Because the project site exceeds 1 acre in size, short-term construction impacts from the proposed project would be minimized through compliance with the NPDES Construction General Permit. This permit, which requires a notice of intent (NOI) to be filed with the State Water Resources Control Board, involves the development and implementation of a stormwater pollution prevention plan (SWPPP), which must include (1) erosion and sediment control best management practices (BMPs) that meet or exceed measures required by the NPDES Construction General Permit, and (2) BMPs that control other potential construction-related pollutants. In addition to the requirements of the NPDES General Construction Permit, regulatory and grading permit requirements include provisions that require reduction of erosion and sedimentation impacts during construction. Full compliance with applicable regulations would ensure that water quality impacts associated with construction would be less than significant.

For long-term operations, the project would comply with the Los Angeles County Low Impact Development (LID) Standards Manual. LID is a design approach that attempts to minimize the impacts a project has on its surroundings by mimicking the site’s natural state as closely as possible. The basic principles of LID are for site design to capture, store, filter, evaporate, detain,

and/or infiltrate runoff as close to the source as possible. As required, project drainage has been designed and will be installed in compliance with the 2012 Mt. SAC Utility Infrastructure Master Plan (UIMP) and Figure 2d – Proposed Utility Map – Hydrology Distribution, as modified by the Mt. SAC's *Campuswide Stormwater Analysis* (Psomas 2016). Stormwater BMPs for this project may include the following: infiltration, biofiltration, hydrodynamic separators, media filtration, and capture and reuse (commonly referred to as rainwater harvesting). The Mt. SAC campus is ultimately tributary to San Jose Creek Reach 2, which is listed as impaired in the current 303(d) list for coliform (Psomas 2016). Coliform is typically generated by uses that include woodlands with wild animals or storage of domestic animals. The project does not include any of these uses and is not expected to generate coliform. Potential impacts related to stormwater quality would be less than significant with implementation of the NPDES General Construction Permit and LID development practices BMPs identified in the *Campuswide Stormwater Analysis* (Psomas 2016). No mitigation is required.

**Question B:** *Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?*

**No Impact.** The project would not have the potential to substantially deplete groundwater supplies or interfere with groundwater recharge because the proposed project would not involve direct withdrawals of groundwater. Water service would continue to be provided to the project site by the Three Valleys Municipal Water District, as described in Section XIX, Utilities and Service Systems. The proposed project would not substantially alter the amount of impervious surfaces and would introduce stormwater BMPs to promote infiltration. The change in ground infiltration on the project site would not be substantial. Therefore, the proposed project would not substantially deplete groundwater supplies or interfere with groundwater recharge. No mitigation is required.

**Question C:** *Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?*

**Question D:** *Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?*

**Less Than Significant Impact.** Existing stormwater runoff at Mt. SAC predominantly drains to the southwest and is gathered by a network of catch basins, area drains, and storm drains and is directed into five main public storm drain lines that ultimately discharge to San Jose Creek Reach 2 (Psomas 2016). Stormwater runoff from each of the four sites that make up the project site currently drains to a public, City-owned storm drain line in Temple Avenue. The proposed project would continue to drain to the same storm drain system as existing conditions. As indicated above, stormwater BMPs being considered for this project include the following, which would reduce the amount of runoff existing at the project site: infiltration, biofiltration, hydrodynamic separators, media filtration, and capture and reuse.

The project area is currently developed with roadway, driveway, and surface parking lot uses with limited vegetation within landscaped areas. The proposed project would create a similar amount of impervious surface area with a minor increase in pervious surfaces associated with landscaped

areas; the anticipated change in the rate and volume of storm flows is anticipated to be nominal and the BMPs being considered for the project would ensure that stormwater flows exiting the site would not exceed current conditions. The proposed project would not result in an impact to the capacity of the stormwater drainage system and no impacts related to on- or off-site flooding would occur. Compliance with required construction and long-term BMPs would reduce any erosion-related impacts to less than significant levels.

**Question E:** *Would the project 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.** As discussed previously, the proposed project would result in a similar amount of impervious surface and associated runoff as under existing conditions. The proposed project would continue to drain to the same public storm drain line in Temple Avenue as under current conditions and would not result in an impact to the capacity of the stormwater drainage system.

As described above in the response to Question A, stormwater BMPs for this project may include the following: infiltration, biofiltration, hydrodynamic separators, media filtration, and capture and reuse. In addition, the proposed project would comply with the NPDES Construction General Permit to control construction-related pollutants. Therefore, the proposed project would not result in substantial additional sources of polluted runoff. This impact is less than significant, and no mitigation is required.

**Question G:** *Would the project place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?*

**Question H:** *Would the project place within a 100-year flood hazard area structures which would impede or redirect flood flows?*

**No Impact.** According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, the project site is not located within a 100-year flood hazard area (FEMA 2008). Additionally, the City of Walnut General Plan identifies that the project site is located in an area designated as Zone X, or an area that is not subject to flooding (Walnut 2018). The proposed project would not result in impacts related to placement of housing or structures within a flood zone, and no mitigation is required.

**Question I:** *Would the project expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?*

**No Impact.** The Puddingstone Reservoir is the nearest dam to the project site, located approximately 3 miles to the northeast. Due to distance and intervening topography, the reservoir's inundation area would not affect the City of Walnut, including the project site (Walnut 2018). Additionally, according to the County of Los Angeles All-Hazard Mitigation Plan, the City of Walnut, including the project site, is not located within a dam inundation area (County of Los Angeles 2014). Therefore, there would be no impacts associated with the risk of loss, injury, or death involving flooding. No mitigation is required.

**Question J: Would the project result in inundation by seiche, tsunami or mudflow?**

**No Impact.** The nearest large body of water is the Puddingstone Reservoir, located approximately 3 miles to northeast of the project site. Due to distance and intervening topography, a seiche at the Puddingstone Reservoir would not affect the project site. The project site is located over 35 miles east of the Pacific Ocean; therefore, there is no potential for inundation of the project site by tsunami. Additionally, the project site is located within a relatively flat, developed area of the campus and would not be subject to mudflows. No impact would occur, and no mitigation is required.

**X. LAND USE AND PLANNING**

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Land Use/Planning	FMPs  Campus Zoning Districts	Inconsistency with the District Land Use Plan (location, gsf) in the latest FMP or for a site-specific project is a significant impact  Inconsistency with a Campus Zoning District in the latest FMP is a significant impact	SCAG’s Regional Comprehensive Plan – Land Use & Housing Chapter  Certain District facilities are exempt from local agencies’ land use and planning controls	Chapter 2.5: Definitions: Section 21061.3. Infill Site  Section 21071 Urbanized Area; Definition  Chapter 2.6: General: Section 21080.09 Public Higher Education; Campus Location; Long-Range Development Plans;  Chapter 3: Guidelines for Implementation of the California Environmental Quality Act: Section 15061, subsection (b)(3) Review for Exemption under “common sense” provision;  Section 15300 Categorical Exemptions;  Section 15301, subsection (e)(2) Existing Facilities with 10,000 sf increase;  Section 15304 Minor Alterations to Land, including grading, trenching or backfilling;  Section 15323 Normal Operations of Facilities

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
				for Public Gatherings including stadiums, auditoriums, amphitheaters, planetariums and swimming pools;  Section 15332 In-Fill Development Projects, no more than five (5) acres when compatible with campus zoning

**Question A: Would the project physically divide an established community?**

**No Impact.** The Mt. SAC campus is bound by residential development to the north and south, commercial and residential uses to the west, and open space to the east. As shown in Exhibits 1 and 2, the project site is developed and located in the center of the campus. As described in Section 2.0, Project Description, the proposed project does not involve the introduction of any new roadways or uses that have the potential to physically divide an established community. No impacts related to the project physically dividing an established community would result and no mitigation is required.

**Question B: Would the project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?**

**Less Than Significant Impact.** The project site is located on the Mt. SAC campus and is within the campus Primary Educational Zone. The published Draft 2018 Educational and Facilities Master Plan (EFMP) which was approved by the Board of Trustees on May 9, 2018, identifies the transit center site as a future transit center, consistent with the proposed project. According to the EFMP, the project would be an important part of Mt. SAC’s strategy to encourage transit agencies to expand services to the campus and encourage bus connections to the Los Angeles County Metro Gold Line stations planned for La Verne and Pomona. Additionally, the transit center would make transit use more convenient for students and employees, which would help to reduce GHG emissions associated with transportation and reduce the need for parking. Implementation of this project would be consistent with the goals set forth in the 2018 EFMP. Additionally, as previously described in Section 2.1, Project Location and Description, the project site is designated as Schools and Public Institutional according to the City of Walnut General Plan and zoned for Residential Planned Development with a Civic Center Overlay (Walnut 2018). The City of Walnut Zoning Map also identifies the project area as part of the Mt. SAC Community College. However, the City of Walnut is in the process of adopting a Zoning Code Amendment (ZCA) – ZCA No. 2018-01 and Zone Change (ZC) 2018-02. ZCA 2018-01 and ZC 2018-02 would establish the Schools and Public Institutional Zoning District to be consistent with the recently adopted Walnut General Plan. The Land Use Element of the Walnut General Plan has created a new land use designation that identifies public uses, such as schools, civic center complex, and other government and utility property and uses as being included in the new Zone. Development of the proposed project would be consistent with Policy C-5.5 of the City of Walnut General Plan which states that the City of Walnut should “consult with transit agencies, Mt. San Antonio College, and

Cal Poly Pomona to continue to invest in transit amenities and programs that encourages increased transit ridership by students, staff, and faculty” (Walnut 2018). Additionally, the proposed transit center would not conflict with the existing or proposed zoning for the campus. Notably, public transit centers are permitted (by-right) under the proposed zoning. Therefore, impacts would be less than significant, and no mitigation is required.

**Question C:** *Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?*

**No Impact.** As previously discussed in Section IV, Biological Resources (Question “F”), the project site is not located within a USFWS or CDFW habitat conservation plan or natural community conservation plan. Therefore, the project will not conflict with any habitat conservation plan or natural community conservation plan, and no mitigation is required.

## XI. MINERAL RESOURCES

**Question A:** *Would the project 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?*

**Question B:** *Would the project 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.** Important mineral resource areas are recognized at the federal and State levels through environmental resource management plans and adopted mineral resource mapping. Based on review of the California Geological Survey Updated Mineral Land Classification map for Portland Cement Concrete-Grade Aggregate in the Claremont-Upland Production-Consumption Region, Los Angeles and San Bernardino Counties, California (CGS 2007), no locally important mineral resources recovery sites are designated in the City of Walnut. Therefore, implementation of the proposed project would not result in the loss of such mineral resources. No mineral resources impacts would occur, and no mitigation is required.

## XII. NOISE

The following MM was identified in the 2016 Mitigation Monitoring Program prepared for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and is incorporated as part of the proposed project and assumed in the analysis presented in this section.

**MM NO-01.** All construction activities, except in emergencies or special circumstances, shall be limited to the hours of 7 am to 7 pm Monday – Saturday. Staging areas for construction shall be located away from existing off-site residences. All construction equipment shall use properly operating mufflers. These requirements shall be included in construction contracts and implemented. Facilities Planning & Management shall ensure compliance.

### Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Noise	Traffic and construction-related noise	<p>Written evidence supporting the District's noise thresholds is identified in Footnote 5.</p> <p>Traffic-generated net noise increase on public roadways equal or less than 3 dBA at 100 feet from centerline that result in noise levels at or below 65 CNEL in off-campus sensitive-noise-receptor areas (residential or hospitals), or at or below 70 CNEL for off-campus commercial areas, due to baseline versus buildout project net FMP trip increases are not a significant impact</p> <p>Cumulative projects traffic-generated noise impacts (existing + project baseline versus existing + project + cumulative) are not significant if the same noise criteria stated above is applied to sensitive receptors or commercial areas off-campus</p> <p>Site-specific construction projects lasting one year or less for site preparation, demolition, grading and shell building construction located within 1,500 feet or less from a sensitive off-site land use have a significant construction noise impact if construction occurs outside of permitted construction hours.</p> <p>Construction hours are defined in MM-5a in the latest approved FMP MMP, as 7 AM to 7 PM, Monday through Saturday, excluding federal holidays, except for emergencies;</p> <p>A significant construction equipment vibration occurs for a site-specific</p>	OPR's General Plan Guidelines, Chapter 4: Required Elements (Noise Element);	<p>Case-by-case studies for unusually high noise issues (i.e. on-campus for permanent new equipment, or new special events with attendance above 8,000 weekdays except for summer intersessions;</p> <p>Whenever feasible, classrooms, campus housing, laboratories, auditoriums and libraries shall be located in areas where the existing noise environment is 65 CNEL or less. If not, special sound attenuation measures are required;</p> <p>Unless there are special circumstances (i.e. biological, special projects, etc.), no additional mitigation for construction noise beyond that included in the latest approved FMP MMP (e.g. MM-5a) for new construction or renovation;</p> <p>If applicable, prepare a site-specific ground-borne vibration study to ascertain potential building damage if rough grading occurs within 50 feet of off-site buildings in sensitive receptor areas;</p> <p>MM-5a: All construction activities, except in emergencies or unusual circumstances, shall be limited to the hours of 7 am to 7 pm Monday-Saturday, excluding federal holidays. Staging areas for construction shall be located away from existing off-site residences. All construction equipment shall use properly operating mufflers. These requirements shall be included in</p>

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
		<p>project is a PPV of 0.04 inches/second or more occurs off-site in a sensitive receptor area for more than fifteen (15) minutes in any one hour. See Report 15-116;</p> <p>Site-specific projects that generate operational noise as measured at a residential property line greater than 55 dBA Leq during the day from 7 am to 10 pm and 50 dBA Leq during the night from 10 pm to 7 am have a significant noise impact.</p> <p>The maximum operational noise level shall not exceed 75 dBA Lmax during the day or 70 dBA Lmax during the night, nor should they exceed 55 dBA Leq from 7 am to 10 pm and 50 dBA Leq from 10 pm to 7 am. If the ambient noise levels are higher than the stated Leq or Lmax criteria, the Leq and Lmax criteria levels are increased to the ambient noise level. Noise levels below the stated criteria are not significant;</p> <p>Site-specific construction projects lasting more than one year, with site preparation, demolition, grading and shell building construction, located within 1,500 feet or less from a sensitive off-site land use have a significant construction noise impact if:</p> <p>(1) Construction occurs outside of permitted construction hours. (Construction hours are defined in MM-5a in the MMP) and;</p> <p>(2) Lmax noise levels from 7 am to 7 pm are less than 90 dBA and less than 65 dBA Leq at</p>		<p>construction contracts and implemented. Facilities Planning &amp; Management shall monitor compliance. (Revised from 2012 FMP MMP)</p>



Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
		<p>any off-site sensitive receptor property line and;</p> <p>(3) from 7 pm to 7 am, the Lmax is less than 75 dBA and less than 55 dBA Leq off-site at any off-site sensitive property line; See Report 15-116</p> <p>On-campus generated site-specific operational noise shall not exceed 55 dBA Leq during the day from 7 am to 10 pm and 50 dBA Leq during the night from 10 pm to 7 am. (The noise level criterion is applied to the closest property line of the off-campus noise sensitive receptor);</p> <p>A site-specific project shall also not exceed 75 dBA Lmax during the day or 70 dBA Lmax during the night from 10 pm to 7 am at any noise sensitive land use. (If the ambient noise levels are higher than the noise criteria, the standard should be increased to the ambient noise level. See Report 15-116)<sup>5</sup>;</p>		

The following analysis is based on Appendix E, *Noise and Vibration Analysis for the Proposed Mt. SAC Transit Center Project in the City of Walnut, California* prepared for the proposed project by Psomas (2018d).

**Noise and Vibration Descriptors**

“Sound” is a vibratory disturbance created by a moving or vibrating source and is capable of being detected. “Noise” is defined as sound that is loud, unpleasant, unexpected, or undesired and may therefore be classified as a more specific group of sounds. The effects of noise on people can include general annoyance; interference with speech communication; sleep disturbance; and, in the extreme, hearing impairment.

Sound pressure levels are described in a unit called the decibel (dB). Decibels are measured on a logarithmic scale. A doubling of the energy of a noise source (such as doubling of traffic volume) would increase the noise level by 3 dB. The human ear is not equally sensitive to all frequencies within the sound spectrum. To accommodate this phenomenon, the A-scale was devised; the

A-weighted decibel scale (dBA) approximates the frequency response of the average healthy ear when listening to most ordinary everyday sounds and is used in this analysis.

Human perception of noise has no simple correlation with acoustical energy. Due to subjective thresholds of tolerance, the annoyance of a given noise source is perceived very differently from person to person. The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at 3 feet is approximately 60 dBA, while loud jet engine noises at 1,000 feet equate to 100 dBA, which can cause serious discomfort. Several rating scales (or noise “metrics”) exist to analyze effects of noise on a community. These scales include the equivalent noise level (Leq), including Lmax and Lmin, which are, respectively, the highest and lowest A-weighted sound levels that occur during a noise event, and the Community Noise Equivalent Level (CNEL). Average noise levels over a period of minutes or hours are usually expressed as dBA Leq, which is the equivalent noise level for that period of time. The period of time averaging may be specified; for example, Leq(3) would be a three-hour average. Noise of short duration (i.e., substantially less than the averaging period) is averaged into ambient noise during the period of interest. Thus, a loud noise lasting many seconds or a few minutes may have minimal effect on the measured sound level averaged over a one-hour period.

To evaluate community noise impacts, CNEL was developed to account for human sensitivity to nighttime noise. CNEL represents the 24-hour average sound level with a penalty for noise occurring at night. The CNEL computation divides a 24-hour day into three periods: daytime (7:00 AM to 7:00 PM), evening (7:00 PM to 10:00 PM), and nighttime (10:00 PM to 7:00 AM). The evening sound levels are assigned a 5-dBA penalty, and the nighttime sound levels are assigned a 10-dBA penalty prior to averaging with daytime hourly sound levels.

In quantifying vibration, vibration is described as peak particle velocity (ppv), which is defined as the maximum instantaneous peak of the vibration signal. Typically, ground-borne vibration generated by man-made activities attenuates rapidly with distance from the source.

### ***Existing Conditions***

The existing noise environment at the project site is influenced by traffic noise on nearby roads, the nearest being Temple Avenue. The State of California defines noise sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions. Schools, libraries, churches, hospitals, and residential uses make up the majority of these areas. According to the Mt. SAC 2016 CEQA Thresholds of Significance, noise-sensitive receptors do not include on-campus uses; therefore, the noise sensitive receptors closest to the project site include residential uses located approximately 1,520 feet north of the project site. More distant residential uses are also located to the west, south, and east.

***Question A: Would the project cause exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?***

**Less Than Significant Impact.** As indicated above, Mt. SAC has established its own CEQA thresholds of significance for noise, allowing for construction activities between the hours of 7:00 am and 7:00 pm, Monday through Saturday. All construction activities would conform to Mt. SAC standards.

- **California Building Standards Code.** Title 24 of the *California Code of Regulations*, also known as the *California Building Standards Code*, establishes building standards applicable to all occupancies throughout the state. Section 1207.11.2 requires that residential structures other than detached single-family dwellings be designed to prevent

the intrusion of exterior noise so that the interior noise attributable to exterior sources shall not exceed 45 dBA CNEL in any habitable room. Section 1207.12 states, “if interior allowable noise levels are met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air-conditioning system to provide a habitable interior requirement. The ventilation system must not compromise the dwelling unit or guest room noise reduction.”

- **City of Walnut General Plan Noise Element.** The Noise Element contains guidelines for noise-compatible land use for long-term operations. The Noise Element acknowledges in its Objectives that noise sensitive uses such as single- and multi-family residential land uses, as well as special land uses (hospitals, rest homes, long-term medical care, libraries, churches, schools, and outdoor recreational areas), should be quiet. While commercial and industrial land uses are allowed a greater level of noise exposure. To achieve these Objectives, the City has adopted day and nighttime noise limits for each of these land uses, as shown in Table 12.

**TABLE 12  
CITY OF WALNUT NOISE LEVELS BY LAND USE**

<b>Zone</b>	<b>Day (Maximum) 7 a.m. – 10 p.m.</b>	<b>Night (Maximum) 10 p.m. – 7 a.m.</b>
Single Family Residential	60 dBA	45 dBA
Multifamily Residential	60 dBA	50 dBA
Commercial	65 dBA	55 dBA
Industrial	70 dBA	65 dBA
Source: Psomas 2018d		

### **Construction Noise**

Project construction is estimated to start in summer 2019 with project completion in summer 2020. Construction activities associated with the proposed project would include demolition, grading, and construction activities. Construction noise levels for each phase of construction (ground clearing/demolition, excavation, foundation construction, building construction, paving, and site cleanup) are based on a typical construction equipment mix for an industrial project and do not include use of atypical, very loud, and vibration-intensive equipment (e.g., pile drivers).

The degree to which noise-sensitive receptors are affected by construction activities depends heavily on their proximity. Estimated noise levels attributable to the development of the proposed project are shown in Table 13, Construction Noise Levels at Noise-Sensitive Uses.

**TABLE 13  
CONSTRUCTION NOISE LEVELS AT NOISE-SENSITIVE USES**

Construction Phase	Noise Levels (L <sub>eq</sub> dBA)			
	Residents to the North of the Project Site	Residents to the West of the Project Site	Residents to the South of the Project Site	Residents to the East of the Project Site
	(dBA@1,520 ft)	(dBA@2,280 ft)	(dBA@2,474 ft)	(dBA@6,677 ft)
Ground Clearing/Demolition	53	50	49	40
Excavation (Site Preparation)	41	38	37	28
Foundation Construction	47	44	43	34
Building Construction	42	39	38	29
Paving	44	41	40	31

L<sub>eq</sub> dBA: Average noise energy level; Max: maximum; avg: average; ft: feet  
 Note: Noise levels from construction activities do not take into account attenuation provided by intervening structures.  
 Source: Psomas 2018d.

Table 13 shows the noise levels for construction equipment. Noise levels from general project-related construction activities would range from 28 to 53 dBA L<sub>eq</sub>. Noise level reductions from intervening structures were not included. The noise levels provided by the EPA's *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances* indicates that noise levels from construction equipment would be comparable or less than ambient noise levels at off-site noise sensitive uses. Substantially noisy equipment, such as pile drivers, would not be used for the project.

Noise from construction activities on-site may not be clearly audible above the existing ambient noise environment and would occur during the least noise-sensitive portions of the day. Noise levels from construction equipment would also not involve pile drivers or other equipment that generate an extreme level of noise or would be limited to the least noise sensitive portions of the day. Furthermore, construction noise will be temporary and intermittent and will primarily take place at large distances from the nearby residents. Consequently, noise associated with project-related construction would not result in significant impacts; and no mitigation is required. Although the project would not result in a significant impact related to construction noise, MM NO-01 would still apply to limit construction activities to the hours of 7 am to 7 pm Monday – Saturday as well as limit construction staging areas.

**Operational Noise**

Noise Generated by On-Site Sources

Operational noise sources associated with the proposed project would include, but are not limited to, landscape maintenance equipment, parking activities, and bus/automobile travel within the project site. Compliance with the Mt. SAC's established thresholds and the large distance (+1,500 feet) between the project site and the nearest off-site noise sensitive receptor uses would minimize these impacts to less than significant levels and no mitigation is required.

As for vehicle traffic, buses will follow their designated bus routes with the exception of turning into the project site for a bus stop. Noise associated with travel and loading/unloading activities for passengers at the project site would not result in an audible noise level increase at the nearest off-site uses due to the large distance (+1,500 feet) between the project site and the nearest off-

site uses. As such, the impact on traffic noise levels would be less than significant and no mitigation is required.

**Question B: Would the project result in exposure to, or generation of, excessive groundborne vibration or groundborne noise levels?**

**Less Than Significant Impact.** Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities such as railroads or vibration-intensive stationary sources but can also be associated with construction equipment such as jackhammers, pile drivers, and hydraulic hammers. During construction of a project, the operation of construction equipment can cause groundborne vibration. During the operational phase of a project, receptors may be subject to levels of vibration that can cause annoyance due to noise generated from vibration of a structure or items within a structure.

Vibration is described as peak particle velocity (ppv), which is defined as the maximum instantaneous peak of the vibration signal. The units for ppv are normally inches per second (in/sec) and the threshold of perception is approximately 0.3 ppv. As shown in Table 14, the Mt. SAC 2016 CEQA Thresholds of Significance indicates that a significant impact would occur if a ppv of 0.04 inches/second or more occurs off-site in a sensitive receptor area for more than fifteen (15) minutes in any one hour.

**TABLE 14  
VIBRATION ANNOYANCE CRITERIA AT SENSITIVE USES**

Equipment	Vibration Levels (ppv)			
	Residents to the North of the Project Site	Residents to the West of the Project Site	Residents to the South of the Project Site	Residents to the East of the Project Site
	(ppv @ 1,520 ft)	(ppv @ 2,280 ft)	(ppv @ 2,474 ft)	(ppv @ 6,677 ft)
Large bulldozer	0.0	0.0	0.0	0.0
Small bulldozer	0.0	0.0	0.0	0.0
Jackhammer	0.0	0.0	0.0	0.0
Loaded trucks	0.0	0.0	0.0	0.0
<b>Mt. SAC Significance Criteria</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>
<b>Exceeds Criteria?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet  
Source: Psomas 2018d

As shown in Table 14, the proposed Project would not generate or expose persons or structures to excessive groundborne vibration from the construction phase as there would be no increase in ppv resulting from project construction activities.

Pile driving and blasting are generally the sources of the most severe vibration during construction. Neither pile driving nor blasting would be used during project construction. Conventional construction equipment would be used for demolition and grading activities. As noted previously, the project site is located within the Mt. SAC campus with the nearest off-site residential properties located approximately 1,520 feet away.

As shown in Table 14, construction related vibration levels would be below the significance thresholds for vibration and vibration impacts from construction of the project and would be less than significant. Project operations would not generate additional bus traffic along roadways in the project vicinity and would not generate any new vibration resulting from operations. Construction and operational vibration impacts would be less than significant and no mitigation required.

**Question C:** *Would the project cause a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?*

**Less Than Significant Impact.** Operation of the proposed project would not generate additional bus traffic along roadways in the project vicinity. Because the project would not result in any additional bus trips, there would be no traffic related noise increases along the bus routes. As such, the impact on traffic noise levels would be less than significant and no mitigation is required.

**Question D:** *Would the project cause a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?*

**Less Than Significant Impact.** As discussed under Threshold “a”, construction noise would occur on a temporary basis, and noise levels would intermittently exceed ambient noise levels. Construction would be limited to the hours prescribed by the Mt. SAC 2016 CEQA Significance Thresholds and adherence to MM NO-01; therefore, temporary noise increases would not be substantial, and the impact would be less than significant.

**Question 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 expose people residing or working in the project area to excessive noise levels?*

**Question F:** *For a project within the vicinity of a private airstrip, heliport or helistop, would the project expose people residing or working in the project area to excessive noise levels?*

**No Impact.** The project site would not result in the development of noise sensitive uses, such as residences, or expose people working in the project area to excessive noise levels. The Project site is not in the vicinity of a public airport or a private airstrip; therefore, no noise impacts related to public airport or private airstrip operations would occur. No mitigation is required.

#### **XIV. POPULATION AND HOUSING**

**Question A:** *Would the project induce substantial 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 proposed project involves implementation of a transit center and associated circulation improvements on the Mt. SAC campus and would not directly or indirectly induce population growth. As described in Section 2.0, Project Description, the proposed project would serve to consolidate existing transit service to the campus into one centralized location and would not result in new roadways or transit service. No impact would result and no mitigation is required.

**Question B:** *Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? and,*

**Question C:** *Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?*

**No Impact.** No housing is present on campus, and the proposed project would not result in the displacement of housing necessitating the construction of replacement housing elsewhere. No impact would result, and no mitigation is required.

**XV. PUBLIC SERVICES**

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Public Services	Fire & police protection	Substantial adverse physical impacts from new construction associated with required new or physically altered facilities required for the latest FMP or for a site-specific campus project to maintain acceptable performance objectives for fire or police protection is a significant impact.	LASD LACoFD	Impacts of new facilities on physical environment only;  Unless there are special circumstances, no additional mitigation measures for public services beyond those included in the latest approved FMP MMP;

**Question A:** *Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:*

***Fire Protection?***

**Less Than Significant Impact.** The Los Angeles County Fire Department provides fire protection, fire suppression, and emergency medical services on a contract basis to the City of Walnut, including Mt. SAC and the project area. Fire Station No. 153 located at 1577 E. Cypress Street in Covina, is approximately 3.1 miles from the campus and is the jurisdictional station for the project area, providing first response. Fire Station 153 is staffed with a 4-person quint company. Fire Station No. 85 provides secondary response to the project area. This station has a three-person engine company and a two-person emergency support team. Fire Station No. 85 located at 650 E. Gladstone Street in Glendora, is approximately 4.2 miles from the campus.

The proposed project involves the replacement of an existing surface parking lot with a transit center that would serve to consolidate bus stops at Mt. SAC onto one centralized location. Based on correspondence with Los Angeles County Fire Department (Takeshita 2018), the proposed

project would not affect the Fire Department's ability to maintain acceptable response times. In addition, the proposed project would not require the construction of new facilities, the expansion of existing facilities, or additional personnel or equipment to maintain acceptable response times. Impacts would be less than significant, and no mitigation is required.

**Question A:** *Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:*

#### **Police Protection?**

**Less Than Significant Impact.** Police protection services for the Mt. SAC campus including the project area are provided by the Los Angeles County Sheriff's Department (LACSD). The Mt. SAC Department of Police and Campus Safety also provides safety and security services to the campus; however, Mt. SAC police personnel are not sworn peace officers. The nearest LACSD station is the Walnut/Diamond Bar Sheriff's Station located at 21695 East Valley Boulevard in Walnut. The Walnut/Diamond Bar Station is responsible for policing the cities of Walnut and Diamond Bar and the unincorporated areas of Rowland Heights, Covina Hills, and West Covina. The station is currently staffed by 102 sworn law enforcement officers and 50 civilian support staff. The City of Walnut contracts for nine deputies, which equates to three patrol units on the day shift, three patrol units on the evening shift, and three patrol units on the early morning shift. The LACSD uses the following response time standards: 10 minutes (emergency calls), 20 minutes (priority calls), and 60 minutes (routine calls). The Walnut/Diamond Bar Station has the following response time averages in the City of Walnut for a one-year timeframe: 4.2 minutes for emergency calls for service, 8.5 minutes for priority calls for service, and 20.9 minutes for routine calls for service. Based on consultation with the LACSD (Reyes 2018), the proposed project would not generate demand for additional staffing or affect current response times. Existing LACSD facilities would be sufficient to serve the proposed project along with the existing demand of the area; therefore, a significant impact would not occur related to the construction of law enforcement facilities, and no mitigation is required.

**Question A:** *Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:*

#### **Schools?**

**No Impact.** Increases in students attending public schools (Kindergarten [K] through 12<sup>th</sup> grade) typically occur with the introduction of new residential dwelling units. The proposed project involves a new transit center and associated circulation improvements and does not involve the development of new residential uses. Therefore, the proposed project would not require the construction of new or expanded school facilities, and no impacts would result. No mitigation is required.



**Question A:** *Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:*

**Parks?**

**No Impact.** The City of Walnut provides community services and recreational and leisure time opportunities and is responsible for the planning, development, and maintenance of the City's parks and recreational facilities. On-campus athletics and recreational facilities currently provide and will continue to provide recreational opportunities for students, staff, and the local community. As indicated above, the proposed project would not directly or indirectly induce population growth in the City. Additionally, it would not increase student enrollment at Mt. SAC beyond that currently anticipated. The proposed project would serve to meet existing transit demand and would not require the dedication and/or construction of new or expanded recreational facilities. No impacts would result, and no mitigation is required.

**Question A:** *Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:*

**Other Public Facilities?**

**No Impact.** Local public services include libraries. The proposed project involves a new transit center and associated circulation improvements and does not involve the development of new residential uses. The proposed project would not result in an increase in use of libraries. No impact would occur, and no mitigation would be required.

**XVI. RECREATION**

**Question 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?*

**Question B:** *Would 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.** As discussed above in Section XV, Public Services, no direct or indirect increase in demand for local parklands or recreational facilities would result from implementation of the proposed project because of the nature of the project as a transit center with associated circulation improvements. The proposed project would not result in a direct increase in the population in the City or enrollment figures at Mt. SAC and would not result in the physical deterioration of recreational facilities. No impacts would result, and no mitigation is required.

## XVII. TRANSPORTATION/TRAFFIC

The following MMs were identified in the 2016 Mitigation Monitoring Program prepared for the certified 2015 FMPU and PEP Projects Final Supplemental EIR and are incorporated as part of the proposed project and assumed in the analysis presented in this section. It should be noted that while identified as MMs, MMs TR-32 through TR-39 are standard requirements imposed upon project contractors who would implement the proposed project.

- MM TR-32.** Contractors shall submit traffic handling plans and other construction documents to Facilities Planning & Management prior to commencement of demolition or grading. The plans and documents shall comply with the Work Area Traffic Control Handbook (WATCH). Facilities Planning & Management shall ensure compliance.
- MM TR-33.** Demolition and construction contracts shall include plans for temporary sidewalk closure, pedestrian safety on adjacent sidewalks, vehicle and pedestrian safety along the project perimeter and along construction equipment haul routes on campus. These plans shall be reviewed by the Mt. SAC Department of Police/Public Safety<sup>2</sup> and approved by Facilities Planning & Management. Facilities Planning & Management shall ensure compliance.
- MM TR-34.** Demolition and construction contracts shall include plans for construction worker parking areas on campus. Facilities Planning & Management shall ensure compliance.
- MM TR-35.** Each project site shall be adequately barricaded with temporary fencing to secure construction equipment, minimize trespassing, vandalism and short-cut attractions, and reduce hazards during demolition and construction. Facilities Planning & Management shall ensure compliance.
- MM TR-36.** Construction contractors shall post a flag person at locations near a construction site during major truck hauling activities to protect pedestrians from conflicts with heavy equipment entering or leaving the project site. Facilities Planning & Management shall ensure compliance.
- MM TR-37.** Upon completion of project-specific construction documents, the Mt. SAC Department of Police/Public Safety<sup>2</sup> shall complete a parking, pedestrian, circulation and signage plan to address direct and indirect public safety needs for parking on campus during the project-specific construction period. For each major project, the changing parking demands created by construction, increased student enrollments and new building locations shall be addressed. Facilities Planning & Management shall ensure compliance.
- MM TR-38.** During the preparation of campus grading, landscape and street improvement plans, the sight distance (length of roadway visible to a driver) at each project access on campus shall be reviewed with respect to Caltrans standards. Facilities Planning & Management shall ensure compliance.
- MM TR-39.** Onsite traffic signing and striping shall be implemented in conjunction with detailed project-specific construction plans. Facilities Planning & Management shall ensure compliance.

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<sup>2</sup> The Department of Police/Public Safety is now referred to as Police and Campus Safety.

**Mt. SAC 2016 CEQA Thresholds of Significance**

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project's environmental impact.

<b>Environmental Topic in the CEQA Checklist</b>	<b>Impact</b>	<b>Mt. San Antonio Community College District Threshold of Significance</b>	<b>Agencies and Regulations</b>	<b>CEQA Procedures</b>
Transportation	Intersection, freeway ramp and main line capacity	Non-compliance with campus parking demand projections based on parking demand and supply studies completed for the latest FMP (or every five years if no FMP has occurred beginning in 2020), based on fall student headcount enrollment and projected faculty and staff levels, is a significant impact;	SCAG's 2012–2035 Regional Transportation Plan/Sustainable Communities Strategy;  Caltrans;  MTA;  DWP;	Unless there are unusual circumstances, no additional mitigation measures for traffic and parking beyond those included in the latest approved FMP MMP;  Haul Routes – Specific traffic congestion analysis is required when truck hauling exceeds fifteen (15) trucks per hour and 100,000 cy of earth movement for a single project. Both criteria must be met to require a Truck Haul Plan (MM-2c in 2015 Addendum to 2012 FMP EIR);  Beginning in 2015, whenever there is not a traffic/parking study for a FMP, a new traffic/parking study shall be completed every five (5) years.  Complete a site-specific traffic study for 56,000 asf (80,000 gsf) or more of new construction for a site-specific project (excludes renovation) that generates more than 1,925 daily trips [waived when included in FMP in last five (5) years]. Based on ITE trip rate of 27.49/ksf:  Site-specific traffic and parking studies for new special events are required with projected maximum daily attendance above 15,000 weekdays (excludes summer intersession and campus holidays);

**Question A:** *Would the project conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?*

**Question F:** *Would the project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance of safety of such facilities?*

**Less Than Significant Impact.** The proposed project involves implementation of a transit center and associated circulation improvements at the Mt. SAC campus. The transit center would serve multiple functions, including as a terminal destination for students and staff using mass transit, a transfer point for multiple Foothill Transit routes, and a layover facility for Foothill Transit buses. Currently, five separate bus lines operate in the vicinity of the project site: Lines 190, 194, 289, 480, and 486. The proposed project would provide a benefit by consolidating the four existing Temple Avenue bus stops along these lines that serve the campus into one centralized location. As discussed in Section X, Land Use and Planning, Question B, the project would be an important part of Mt. SAC's strategy to encourage Foothill Transit to expand services to the campus and encourage bus connections to the Los Angeles County Metro Gold Line stations planned for La Verne and Pomona. Additionally, the transit center would make transit use more convenient for students and employees, which would help to reduce GHG emissions associated with transportation and reduce the need for parking.

Existing pedestrian facilities that would serve the project area include the Miracle Mile pedestrian corridor located north of the transit center site, adjacent walkways with connections to surrounding uses, and a sidewalk along Temple Avenue, that provide access to the project site. As described in Section 2.0, Project Description, the project proposes pedestrian access to the transit center from several different off-site areas surrounding the transit center site via sidewalks, stairways, ramps, and crosswalks. Additionally, the proposed bollard hardscape improvements area and the driveway expansion and pedestrian circulation area would be modified to enhance pedestrian safety by restricting vehicle access between parking areas and the transit center site. The proposed enhancements would ensure adequate pedestrian access to the bus plaza and transit options. Project design would also not preclude bicycle use along Temple Avenue.

As discussed previously, applicable MMs from the 2015 FMPU are incorporated into the analysis of the proposed project (MMs TR-32 through TR-39), and others are either completed or are not required to mitigate environmental impacts as summarized below. As required by MM TR-07 and TR-54, a site-specific traffic analysis was conducted for the Transit Center project and coordination with the City of Walnut and Foothill Transit is ongoing. The Master Vehicular Circulation Plan was updated as part of the 2018 EFMP (MM TR-40); the proposed project has been through the review process of the CMPCT (MM TR-43); Mt. SAC and Foothill Transit signed a Memorandum of Understanding (MOU) on March 7, 2017 regarding the proposed Transit Center (MM TR-44). The Executive Board Officers of the Associated Students of Mt. SAC will be given the opportunity to review and comment on the proposed project prior to CMPCT final review (MM TR-46). The transit center and related improvements would facilitate and not conflict with applicable plans, ordinances, or policies establishing measures of effectiveness for the performance of the circulation system, or regarding public transit, bicycle, or pedestrian facilities. Therefore, potential impacts would be less than significant.

**Question B: Would the project conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?**

**No Impact.** The Los Angeles County Congestion Management Program (CMP) guidelines for Traffic Impact Analysis (TIA) require analysis of freeway segments, ramps, and intersections if a proposed project would add 150 or more trips (in either direction) during either the AM or PM weekday peak periods at any CMP location. The project would involve redirecting existing bus trips from four existing Temple Avenue bus stops to a single transit center site. No new trips would be generated beyond existing conditions and any increase in trip length due to the redirection of routes would be nominal. Therefore, no impact would occur, and no mitigation is required.

**Question C: Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?**

**No Impact.** The project area is not located near an airport. The project would not result in an increase in the population in the City or enrollment figures at Mt. SAC, and would not change air traffic patterns at existing airports, including Brackett Field, which is the nearest airport to the project site. The proposed project would also not directly increase the amount or location of air traffic nor would it involve a change in location that would result in substantial safety risks. No impact would occur, and no mitigation is required.

**Question D: Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses?**

**No Impact.** Access to the project site would be provided by the existing driveway on Temple Avenue. As discussed previously, the project would include installation of a signalized intersection at this existing driveway location along Temple Avenue, which would provide for controlled ingress and egress at the transit center. According to the *Signal Warrant Analysis for Mt. San Antonio College Transit Center, Walnut, California*, prepared for the proposed project by Psomas (2018a), it was determined that implementation of the project would result in excessive delay for vehicles along Temple Avenue, potentially increasing hazards to motorists in the project area. However, the proposed installation of the traffic signal along Temple Avenue would address this potential hazard and ensure that no impact related would occur. Additionally, installation of the proposed traffic signal would enhance bicycle safety proximate to the Temple Avenue driveway to the transit center site.

Additionally, proposed project improvements would enhance safety of pedestrians in the project area. As discussed in Section 2.0, Project Description, the project would include several pedestrian crosswalks associated with the transit center site. The proposed improvements at the bollard hardscape improvements site and the driveway expansion and pedestrian corridor site would restrict vehicular access, thereby creating a safer pedestrian route.

No impacts would occur related to an increase in hazards due to a design feature or incompatible uses and no mitigation is required.

**Question E: Would the project result in inadequate emergency access?**

**Less Than Significant Impact`.** The project site is located along Temple Avenue. Throughout project-related construction, vehicular access along Temple Avenue as well as access to the surrounding land uses would be maintained and would not interfere with vehicle movement or

emergency access along this roadway. As discussed previously, applicable MMs from the certified 2015 FMPU and PEP Projects Final Supplemental EIR, which are standard requirements imposed on contractors, are incorporated into the proposed project. Implementation of MMs TR-32 through TR-39 would ensure that short-term impacts related to emergency access would be less than significant.

During the project operation, the project area would not experience an increase in traffic volumes and the proposed traffic signal would create more control over vehicular movement along Temple Avenue; therefore, the proposed project would not interfere with the movement of emergency vehicles along local roadways.

## **XVIII. TRIBAL CULTURAL RESOURCES**

**Question A:** *Would the project cause a substantial adverse change in the significance of 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)?*

**Question B:** *Would the project cause a substantial adverse change in the significance of a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?*

**Less Than Significant Impact.** Effective July 1, 2015, Assembly Bill (AB) 52 requires meaningful consultation with California Native American Tribes on potential impacts to Tribal Cultural Resources, as defined in *Public Resources Code* §21074. A tribe must submit a written request to the relevant lead agency if it wishes to be notified of proposed projects in its traditionally and culturally affiliated area. The lead agency must provide written, formal project notification to the tribes that have requested it. The tribe must respond to the lead agency within 30 days of receipt of the notification if it wishes to engage in consultation on the project, and the lead agency must begin the consultation process within 30 days of receiving the request for consultation. Consultation concludes when one of the following occurs: (1) the parties agree to mitigation measures to avoid a significant effect, if one exists, on a tribal cultural resource; or (2) a party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. AB 52 also addresses confidentiality during tribal consultation in accordance with *Public Resources Code* §21082.3(c).

Mt. SAC reached out to the two tribes who had requested notification by sending an informational letter on June 18, 2018, describing the proposed project and requesting any information regarding resources that may exist on or near the project site. To date, neither tribe responded to the information letters. No consultation under AB 52 has been requested and further consultation is not required.

**XIX. UTILITIES AND SERVICE SYSTEMS**

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Energy	<p>Wasteful, inefficient or unnecessary consumption of energy</p> <p>Renewable energy or energy efficiency measures</p>	<p>Non-compliance with an Energy Conservation Plan for site-specific projects is a significant impact.</p>	<p>CEC</p>	
Utilities/Service Systems	<p>Demand and supply availability;</p> <p>Water and sewer facilities and infrastructure;</p> <p>Landfill capacity;</p> <p>Compliance with solid waste regulations;</p>	<p>Significant physical impacts of construction of new water, wastewater treatment or stormwater drainage facilities required for the latest FMP or for a site-specific project is a significant impact;</p> <p>Inadequate capacity of a water provider to have sufficient supplies to serve the latest FMP’s or for a site-specific project’s projected demand during normal, dry and multiple dry years in addition to their existing commitments is a significant impact;</p> <p>Inadequate capacity of a wastewater treatment provider to serve the latest FMP or site-specific project’s projected demand in addition to their existing commitments is a significant impact;</p> <p>Non-compliance with federal, state statutes and regulations related to solid waste and lack of sufficient permitted landfill capacity to accommodate the latest FMP or a site-specific project’s needs is a significant impact;</p>	<p>LACSD</p> <p>TVMWD</p> <p>DPW</p> <p>Solid waste regulations</p>	<p>Permits required from LACSD for occupied buildings (net increase in gsf) when the Utility Master Plan is updated for a FMP or every five (5) years, beginning in 2020;</p> <p>Consultation with DPW for regional landfill capacity;</p> <p>Consultation for special circumstances;</p> <p>Unless there are special circumstances, no additional mitigation measures for utilities/service systems beyond those included in the latest approved FMP MMP;</p> <p>Request “will serve” letters from TVMWD and LACSD for projects 56,000 asf (80,000 gsf) or more [waived when included in FMP or Utility Master Plan in last five (5) years];</p>

**Question A: *Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?***

**Less Than Significant Impact.** The Mt. SAC campus, including the project area, is served by the Sanitation Districts of Los Angeles County (Sanitation Districts). Wastewater treatment requirements issued by the California Regional Water Quality Control Board (RWQCB) for the Sanitation Districts were developed to ensure that adequate levels of treatment would be provided for wastewater flows emanating from all land uses within its service area. The proposed project includes an all-gender single-user toilet facility for use by transit bus drivers and authorized Mt. SAC personnel. The general public would not have access to the restroom. Because of the limited use of the toilet facility, and the type of use, implementation of the proposed project would not exceed the RWQCB's wastewater treatment requirements, and related impacts would be less than significant. No mitigation is required.

**Question B: *Would the project require or result in the construction of new water or wastewater treatment facilities (including sewer (waste water) collection facilities) or expansion of existing facilities, the construction of which could cause significant environmental effects?***

**Question E: *Would the project 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.** The Sanitation Districts provide wastewater service, and Three Valleys Municipal Water District provides water service to the campus. The proposed project includes an all-gender single-user toilet facility for transit bus drivers and authorized Mt. SAC personnel. As shown in Exhibit 3, Conceptual Site Plan – Transit Center and in Section 2.0, Project Description, the toilet facility would be located in the northeastern section of the transit center site. The toilet facility would connect to existing sewer and water lines that are both located between the transit center site and the Welding, Heating/Air Conditioning Building (Building 69) (Mt. SAC 2018b). Due to the anticipated limited use of this facility, which would not be accessible to the general public, existing water and wastewater lines would adequately serve the project. Additionally, because the project would not substantially increase the volume of wastewater beyond existing conditions, the project would not require expansion of wastewater treatment facilities. Implementation of the proposed project would be consistent with the current Mt. SAC *Utility Infrastructure Master Plan (UIMP)* to ensure that waste water facilities would be adequate to serve the project. The 2012 UIMP is the current plan; however, as part of the updated EFMP, Mt. SAC is in the process of preparing a Campus Utilities Infrastructure Plan (CUIP) which would supersede the 2012 UIMP. Additionally, the project site is currently irrigated with connections to existing, off-site water lines. Because the existing landscaping would be replaced with new landscaping, there would be no notable change to water demand and existing facilities would be adequate to serve the project. Therefore, impacts related to existing water and sewer infrastructure and wastewater treatment would be less than significant, and no mitigation required.

**Question C: *Would the project require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?***

**Less Than Significant Impact.** The project site is currently developed with roadway, driveway, and surface parking lot uses with limited vegetation within landscaped areas. The proposed project would create a similar amount of impervious surface area with a minor increase in pervious surfaces associated with landscaped areas; the anticipated change in the rate and volume of



storm flows is anticipated to be nominal. Stormwater runoff from the project site would continue to be intercepted by a series of catch basins and enter the existing on-site storm drain system at Temple Avenue. The existing storm drains have sufficient capacity to accommodate stormwater runoff from the project site under existing conditions and, because the proposed project would not increase the volume of stormwater runoff, no upgrades to the existing infrastructure off-site would be needed. Therefore, the proposed project would not result in an impact to the capacity of the stormwater drainage system.

**Question D: *Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?***

**Less Than Significant Impact.** The Mt SAC campus is currently served by the Three Valleys Municipal Water District (TVMWD). As described in Section 2.0, Project Description, the project includes an all-gender single-user toilet facility that would be limited to use by bus drivers and authorized Mt. SAC personnel. Existing landscaping on the transit center site uses a limited amount of water for irrigation. Under the proposed project, the existing landscaping would be replaced with new landscaping and there would be no notable change to water demand. The toilet facility and irrigation would generate nominal demand for water; therefore, it is anticipated that that water capacity is adequate to serve the proposed project. As defined in CEQA Guidelines Section 15155, the proposed project is not a residential development of more than 500 dwelling units and would not be considered a water demand project. Water demand for the proposed project would equate to a negligible amount of the total water supply available to the campus, and it is not expected that expanded entitlements would be needed to provide water for the site. As necessary, Mt. SAC would coordinate with TVMWD regarding implementation of the proposed project. Impacts would be less than significant, and no mitigation required.

**Question F: *Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?***

**Less Than Significant Impact.** Based on the project acreage of 1.8 acres, demolition of the existing project site would generate approximately 2,289 tons of demolition debris. While the project may generate solid waste by transit users, the quantity is nominal and would not be any greater than what already exists at the four existing Foothill Transit bus stops that serve the campus since the proposed project would centralize existing bus transfer operations. The proposed project would continue to comply with campus recycling efforts. Therefore, a significant impact related to landfill capacity would not result from implementation of the proposed project, and no mitigation is required.

**Question G: *Would the project comply with federal, State, and local statutes and regulations related to solid waste?***

**No Impact.** Solid waste practices in California are governed by multiple federal, State, and local agencies that enforce legislation and regulations to ensure that landfill operations minimize impacts to public health and safety and the environment. Construction of the proposed project would comply with all applicable construction waste regulations. Additionally, according to the EFMP, the campus is exceeding a 75-percent diversion rate of construction waste from landfills and is well positioned to reach a construction waste landfill diversion rate of 95 percent. Operationally, the proposed project would continue to comply with recycling programs in compliance with county policies and those that have been adopted to comply with solid waste regulations such as the California Integrated Waste Management Act (AB 939). Further, Mt. SAC has prepared a draft Climate Action Plan (Mt. SAC 2018c) which includes solid waste reduction strategies to achieve a Net Zero Waste goal by year 2050. Some of the Phase 1 (by 2025) goals

and strategies include but are not limited to supporting and funding of student-run recycling programs such as RecycleMania, a friendly competition and benchmarking tool for college and university recycling programs, improving recycling and waste receptacles on campus, implementing sustainable food purchasing, installing additional water refilling stations, and end use of Styrofoam, straws and plastic place settings and plastic bottles on site. Goals for Phase 2 (year 2025 to year 2035) include installation of a small-scale anaerobic biodigester on campus and construction waste management diversion of 100 percent. The goal for Phase 3 (year 2035 to year 2050) is to implement a large scale anaerobic biodigester on campus. Although the project is not expected to generate large amounts of solid waste during project operation, the project would comply with these future programs to manage solid waste. Therefore, impacts related to solid waste regulations would be less than significant, and no mitigation is required.

## **XX. MANDATORY FINDINGS OF SIGNIFICANCE**

**Question A: Does the project have the potential to 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, 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.** There are no sensitive biological resources, habitats, or species on the project site that would be affected by the proposed project. The proposed project incorporates MMs BIO-6 and BIO-7 which would protect migratory birds that may nest on the project site. Incorporation of these measures into the proposed project would ensure a less than significant impact on nesting raptors and migratory birds.

Due to the location of the project site in a developed, urban area that has been subjected to previous disturbance related to urban development, and because excavation would not occur in native sediments, no impacts to archaeological resources or paleontological resources would occur. However, the proposed project incorporates MM CR-02 which outlines steps to take pursuant to State law if human remains are discovered. Incorporation of this measure into the proposed project would ensure a less than significant impact.

**Question 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.** As identified in the preceding analysis provided in Section 4.0, Environmental Evaluation, of this IS/ND, applicable mitigation measures identified in the certified 2015 FMPU and PEP Final Supplemental EIR are incorporated as part of the proposed project and assumed in the analysis and all project-level impacts have been determined to be less than significant. Additional project level mitigation measures are not required. Thus, with continued implementation of applicable MMs (identified for each environmental topic analyzed above in Sections 4.I through 4.XIX of this IS/ND), the proposed project's impacts would be limited and its contribution to cumulative impacts would not be cumulatively considerable.

**Question C: Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?**

**Less Than Significant Impact.** Based on the preceding analysis provided in Section 4.0, Environmental Evaluation, of this IS/ND, applicable mitigation measures identified in the certified 2015 FMPU and PEP Final Supplemental EIR are incorporated as part of the proposed project and assumed in the analysis. Implementation of the proposed project would not result in significant impacts that could degrade the quality of the environment or cause substantial adverse effects on human beings, either directly or indirectly.

## SECTION 5.0 SUMMARY OF MITIGATION MEASURES

The proposed project incorporates mitigation measures (MMs) identified in the 2016 Mitigation Monitoring Program prepared for the 2015 Facilities Master Plan Update (FMPU) and Physical Education Projects (PEP) Final Supplemental EIR which are assumed in the analysis presented in this IS. Although no significant impacts have been identified for the proposed project, the following MMs are applicable campus wide and to the proposed project and have been identified in the analysis presented in the IS. The following mitigation measures are organized by environmental topics as presented in the IS and the numbering is consistent with the 2016 Mitigation Monitoring Program.

### I. Aesthetics

**MM AES-05.** Exterior building materials, colors and signage shall be reviewed by the Campus Master Plan Coordinating Team (CMPCT). All construction contracts shall specify these items and implement CMPCT final recommendations. Facilities Planning & Management shall ensure compliance.

### III. Air Quality

**MM AQ-01.** All contractors shall comply with all feasible Best Available Control Measures (BACM) included in South Coast Air Quality Management District (SCAQMD) Rule 403: Fugitive Dust included in Table 1: Best Available Control Measures Applicable to All Construction Activity Sources. In addition, the project shall comply with at least one of the following Track-Out Control Options: (a) Install a pad consisting of washed gravel (minimum-size: one inch) maintained in a clean condition to a depth of at least six inches and extending at least 20 feet wide and 50 feet long, (b) Pave the surface extending at least 100 feet and a width of at least 20 feet wide, (c) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle undercarriages before vehicles exit the site, (d) Install and utilize a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site, (e) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified items (a) through (d) above. Individual BACM in Table 1 that are not applicable to the project or infeasible, based on additional new project information, may be omitted only if Facilities Planning & Management specifies in a written agreement with the applicant that specific BACM measures may be omitted. Any clarifications, additions, selections of alternative measures, or specificity required to implement the required BACM for the project shall be included in the written agreement. The written agreement shall be completed prior to demolition and/or grading for the project. Facilities Planning & Management shall include the written agreement within the Mitigation Monitoring Program (MMP) for the project and Facilities Planning & Management and Purchasing shall ensure compliance.

**MM AQ-02.** Project construction contracts shall prohibit off-road vehicle and engine idling in excess of five (5) minutes and monitor that all off-road equipment is compliant with the California Air Resources Board's (CARB) in use off-road diesel vehicle regulations and SCAQMD Rule 1186 and 1186.1 certified street sweepers or roadway washing trucks, and all internal combustion engines/construction equipment operating on the project site shall meet Environmental Protection Agency (EPA) Certified Tier 2 emissions standards, or higher according to the adopted project start date requirements. A copy of each unit's certified tier

specification, Best Available Control Technology (BACT) documentation and CARB or SCAQMD operating permit shall be provided to the construction manager at the time of mobilization of each applicable unit of equipment. Facilities Planning & Management and Purchasing shall ensure compliance.

- MM AQ-03.** During construction, contractors shall minimize off-site air quality impacts by implementing the following measures: (a) encourage carpooling for construction workers, (b) limit lane closures to off-peak travel periods, (c) park construction vehicles off traveled roadways, (d) encourage receipt of materials during non-peak traffic hours and (e) sandbag construction sites for erosion control. These requirements shall be included in construction contracts and implemented. Facilities Planning & Management and Purchasing shall ensure compliance.
- MM AQ-05.** During project construction, all off-road diesel-powered construction equipment greater than 50 hp shall meet the EPA-Certified Tier 4 emission standards where available. All construction equipment shall be outfitted with BACT devices certified by CARB. Any emission control devices used by a contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. A copy of each unit's certified tier specification, BACT documentation and CARB or SCAQMD operating permit shall be provided by contractors before commencement of equipment use on campus. Facilities Planning & Management shall ensure compliance.
- MM AQ-06.** Construction contracts shall specify that all diesel construction equipment used onsite shall use ultra-low sulfur diesel fuel. Facilities Planning & Management and Purchasing shall ensure compliance.
- MM AQ-07.** During grading and construction, fugitive dust from construction operations shall be reduced by watering at least twice daily using reclaimed water or chemical soil binder, where feasible, or water whenever substantial dust generation is evident. Grading sites of more than ten gross acres shall be watered at least three times daily. The project shall comply with Rule 403: Fugitive Dust (South Coast Air Quality Management District). Project contractors shall suspend grading operations, apply soil binders, and water the grading site when wind speeds (as instantaneous gusts) exceed 25 miles per hour. Traffic speeds on all unpaved graded surfaces shall not exceed 15 miles per hour. All grading operations shall be suspended during first and second stage smog alerts. All project contracts shall require project contractors to keep construction equipment engines tuned to monitor that air quality impacts generated by construction activities are minimized. Upon request, contractors shall submit equipment tuning logs to Facilities Planning & Management. Facilities Planning & Management and Purchasing shall ensure compliance.
- MM AQ-08.** To reduce volatile organic compound (VOC) emissions, all construction contracts shall limit painting to eight hours per day and specify the use of paints and coatings with a VOC content of 80 grams per liter (g/l) or less. Facilities Planning & Management and Purchasing shall ensure compliance.

#### **IV. Biological Resources**

- MM BIO-06.** Prior to removal of any trees on campus in or near construction areas of the 2015 FMPU during March–May, a qualified biologist shall survey the trees for active nesting sites. All recommendations of the final biological report shall be completed. Facilities Planning & Management shall ensure compliance.
- MM BIO-07.** If construction is planned during February 1–July 31 in potential raptor nesting habitat, pre-construction surveys of habitat within 500 feet of the construction area shall be completed. All recommendations of the final report shall be implemented. Facilities Planning & Management shall ensure compliance.

#### **V. Cultural Resources**

- MM CR-02.** If, during the course of implementing the project, human remains are discovered, all work shall be halted immediately within 50 feet of the discovery, the contractor shall inform the project manager, and the Los Angeles County Department of Medical Examiner-Coroner must be notified according to Section 5097.98 of the California Public Resources Code (PRC) and Section 7050.5 of the California Health and Safety Code. If the remains are determined to be Native American, the coroner will notify the Native American Heritage Commission (NAHC), and the procedures outlined in CEQA Section 15064.5(d) and (e) shall be followed. Facilities Planning & Management shall ensure compliance.

#### **VI. Geology and Soils**

- MM MR-01.** All recommendations in the final geotechnical report(s) for projects included in the 2015 FMPU shall be included in construction contracts and implemented. Facilities Planning & Management shall ensure compliance.

#### **XII. Noise**

- MM NO-01.** All construction activities, except in emergencies or special circumstances, shall be limited to the hours of 7 am to 7 pm Monday – Saturday. Staging areas for construction shall be located away from existing off-site residences. All construction equipment shall use properly operating mufflers. These requirements shall be included in construction contracts and implemented. Facilities Planning & Management shall ensure compliance.

#### **XVII. Transportation/Traffic**

- MM TR-32.** Contractors shall submit traffic handling plans and other construction documents to Facilities Planning & Management prior to commencement of demolition or grading. The plans and documents shall comply with the Work Area Traffic Control Handbook (WATCH). Facilities Planning & Management shall ensure compliance.
- MM TR-33.** Demolition and construction contracts shall include plans for temporary sidewalk closure, pedestrian safety on adjacent sidewalks, vehicle and pedestrian safety along the project perimeter and along construction equipment haul routes on campus. These plans shall be reviewed by the Mt. SAC Department of Police/Public Safety and approved by Facilities Planning & Management. Facilities Planning & Management shall ensure compliance.

- MM TR-34.** Demolition and construction contracts shall include plans for construction worker parking areas on campus. Facilities Planning & Management shall ensure compliance.
- MM TR-35.** Each project site shall be adequately barricaded with temporary fencing to secure construction equipment, minimize trespassing, vandalism and short-cut attractions, and reduce hazards during demolition and construction. Facilities Planning & Management shall ensure compliance.
- MM TR-36.** Construction contractors shall post a flag person at locations near a construction site during major truck hauling activities to protect pedestrians from conflicts with heavy equipment entering or leaving the project site. Facilities Planning & Management shall ensure compliance.
- MM TR-37.** Upon completion of project-specific construction documents, the Mt. SAC Department of Police/Public Safety shall complete a parking, pedestrian, circulation and signage plan to address direct and indirect public safety needs for parking on campus during the project-specific construction period. For each major project, the changing parking demands created by construction, increased student enrollments and new building locations shall be addressed. Facilities Planning & Management shall ensure compliance.
- MM TR-38.** During the preparation of campus grading, landscape and street improvement plans, the sight distance (length of roadway visible to a driver) at each project access on campus shall be reviewed with respect to Caltrans standards. Facilities Planning & Management shall ensure compliance.
- MM TR-39.** Onsite traffic signing and striping shall be implemented in conjunction with detailed project-specific construction plans. Facilities Planning & Management shall ensure compliance.

## SECTION 6.0 PREPARERS

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**APPENDIX A**  
**AIR QUALITY AND GHG REPORT**

September 11, 2018

Gary Gidcumb  
Mt. San Antonio College  
Planning and Community Development Department  
1100 North Grand Avenue  
Walnut, California 91789-1399

VIA EMAIL  
GGidcumb@mtsac.edu

Subject: Air Quality and Greenhouse Gas Emissions Analysis for the Proposed Mt. SAC Transit Center Project in the City of Walnut, California

Dear Mr. Gidcumb:

This Letter Report presents the results of the air quality and greenhouse gas (GHG) emissions analysis for the proposed Mt. SAC Transit Center Project (hereinafter referred to as the “Project”). The proposed transit center will replace an existing surface parking lot and will have access from Temple Avenue via the existing driveway located approximately 560 feet west of Bonita Drive. This analysis addresses the potential air quality and GHG emission impacts associated with the Project in accordance with the California Environmental Quality Act (CEQA; California *Public Resources Code* §21000 et seq.) and the State CEQA Guidelines (*California Code of Regulations*, Title 14, §15000 et seq.).

## PROJECT SETTING AND DESCRIPTION

Foothill Transit (FT) and Mt. San Antonio College (Mt. SAC) agreed to develop a new FT transit center on Mt. SAC property located on the north side of Temple Avenue just west of Bonita Drive. The new transit center will have ten bus bays and will serve as a terminal destination for Mt. SAC students using mass transit and will provide a transfer point for multiple FT routes and layover facilities for FT buses. The proposed transit center will replace an existing surface parking lot and will have access from Temple Avenue via the existing driveway located approximately 560 feet west of Bonita Drive. The access drive currently serves the parking area as well as the pool area. Additional project elements include minor expansion of an adjacent drive aisle, installation of bollards to restrict through traffic movement between the new transit center and Lot D, and installation of a traffic signal at the existing driveway at Temple Avenue. The project site is 1.8 acres in area.

Relevant elements of the proposed Project related to the analysis of potential air quality impacts include (1) demolition of on-site pavement, which would require export of demolition debris estimated at 2,289 tons; (2) on-site grading activities, which are expected to result in over-excavation of 9,605 cubic yards (CY) of soils; and (3) the vehicle trips associated with the proposed Project.

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The project site is located in the Los Angeles County portion of the South Coast Air Basin (SoCAB) and, for air quality regulation and permitting, is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SoCAB is a 6,600-square-mile area bound by the Pacific Ocean to the west; the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east; and the San Diego County line to the south. The SoCAB includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SoCAB’s terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) determine its distinctive semi-arid climate, which is characterized by moderate temperatures, oceanic influence, and limited precipitation during the rainy season (generally November through April).

**AIR QUALITY**

**Existing Air Quality Conditions**

Air quality data for the project site is represented by the Pomona Monitoring Station located at 924 North Garey Avenue, Pomona, located approximately 5 miles east of the project site, and the Azusa Monitoring Station, located at 803 North Loren Avenue, Azusa, located approximately 7 miles northwest of the project site. Pollutants measured at the Pomona Monitoring Station include ozone (O<sub>3</sub>), nitrogen dioxide (NO<sub>2</sub>), and carbon monoxide (CO). Data for particulate matter of less than 2.5 microns (PM<sub>2.5</sub>) and 10 microns (PM<sub>10</sub>) and carbon monoxide (CO) was provided from the Azusa Monitoring Station, because PM<sub>10</sub> and PM<sub>2.5</sub> data was not provided from the CARB website. The monitoring data is presented in Table 1, Air Quality Levels Measured at the Pomona and Azusa Monitoring Stations. Table 1 also presents federal and State air quality standards with the frequency that may be exceeded.

**TABLE 1  
 AIR QUALITY LEVELS MEASURED AT THE  
 POMONA AND ASUZA MONITORING STATIONS**

<b>Pollutant</b>	<b>California Standard</b>	<b>National Standard</b>	<b>Year</b>	<b>Maximum Level<sup>a</sup></b>	<b>Days State Standard Exceeded</b>	<b>Days National Standard Exceeded</b>
<b>Pomona Monitoring Station Data</b>						
O <sub>3</sub> (1-hour)	0.09 ppm	None	2015	0.136	30	2
			2016	0.127	20	1
			2017	0.147	18	5
O <sub>3</sub> (8-hour)	0.070 ppm	0.070 ppm	2015	0.098	55	53
			2016	0.092	29	26
			2017	0.114	38	35
NO <sub>2</sub> (1-Hour)	0.18 ppm	0.100 ppm	2015	0.072	0	0
			2016	0.069	0	0
			2017	0.081	0	0
CO (1-hour)	20 ppm	20 ppm	2015	1.8	0	0
			2016	1.7	0	0
			2017	--	--	--
CO (8-hour)	9 ppm	9 ppm	2015	1.6	0	0
			2016	1.3	0	0
			2017	--	--	--

**TABLE 1  
 AIR QUALITY LEVELS MEASURED AT THE  
 POMONA AND ASUZA MONITORING STATIONS**

Pollutant	California Standard	National Standard	Year	Maximum Level <sup>a</sup>	Days State Standard Exceeded	Days National Standard Exceeded
<b>Azusa Monitoring Station Data</b>						
PM10 (24-hour)	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>	2015	101	75.6	0
			2016	74	--	0
			2017	84	--	0
PM2.5 (24-Hour)	None	35 µg/m <sup>3</sup>	2015	70.3	0	6
			2016	32.1	0	0
			2017	24.9	0	M
--: Data Not Reported or insufficient data available to determine the value; O <sub>3</sub> : ozone; ppm: parts per million; PM10: respirable particulate matter with a diameter of 10 microns or less; µg/m <sup>3</sup> : micrograms per cubic meter; NO <sub>2</sub> : nitrogen dioxide; PM2.5: fine particulate matter with a diameter of 2.5 microns or less.						
<sup>a</sup> California maximum levels were used.						
Source: CARB 2018, SCAQMD 2018.						

The Pomona monitoring data shows that O<sub>3</sub> is the air pollutant of primary concern in the project area. At the monitoring station, the 1-hour O<sub>3</sub> standard was exceeded 18 to 30 days for the State standard between 2015 and 2017 and 1 to 5 days between 2015 and 2017 for the federal standard. The 8-hour O<sub>3</sub> standards were exceeded 29 to 55 days under the State 8-hour O<sub>3</sub> standards and 26 to 53 days under the federal 8-hour O<sub>3</sub> standards between 2015 and 2017. O<sub>3</sub> is a secondary pollutant and is not directly emitted from a source; it occurs as the result of photochemical reactions from ozone precursors, which include volatile organic compounds (VOCs) and NO<sub>2</sub> and sunlight.

**Regulatory Background**

***Pollutants and Standards***

The U.S. Environmental Protection Agency (USEPA) defines seven “criteria” air pollutants: O<sub>3</sub>, CO, NO<sub>2</sub>, sulfur dioxide (SO<sub>2</sub>), respirable particulate matter with a diameter of 10 microns or less (PM10), fine particulate matter with a diameter of 2.5 microns or less (PM2.5), and lead. These pollutants are called criteria pollutants because the USEPA has established National Ambient Air Quality Standards (NAAQS) for the concentrations of these pollutants. CARB has also established standards for the criteria pollutants, known as California Ambient Air Quality Standards (CAAQS), and the State standards are generally more restrictive than the NAAQS. When a region has air quality that fails to meet the standards, the USEPA and CARB designate the region as “nonattainment;” and the regional air quality agency must develop plans to attain the standards.

Based on monitored air pollutant concentrations, the USEPA and CARB designate an area’s status in attaining the NAAQS and the CAAQS, respectively, for selected criteria pollutants. These attainment designations are shown in Table 2, Attainment Status of Criteria Pollutants in the South Coast Air Basin. As identified in Table 2, Los Angeles County is a nonattainment area for O<sub>3</sub>, lead, PM10, and PM2.5.

**TABLE 2  
 ATTAINMENT STATUS OF CRITERIA POLLUTANTS  
 IN THE SOUTH COAST AIR BASIN**

<b>Pollutant</b>	<b>State</b>	<b>Federal</b>
O <sub>3</sub> (1-hour)	Nonattainment	No standard
O <sub>3</sub> (8-hour)		Extreme Nonattainment
PM10	Nonattainment	Attainment/Maintenance
PM2.5	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO <sub>2</sub>	Attainment	Attainment/Maintenance
SO <sub>2</sub>	Attainment	Attainment
Lead	Attainment	Attainment/Nonattainment*
All others	Attainment/Unclassified	No standards

O<sub>3</sub>: ozone; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; NO<sub>2</sub>: nitrogen dioxide; SO<sub>2</sub>: sulfur dioxide; SoCAB: South Coast Air Basin

\* Los Angeles County is classified nonattainment for lead; the remainder of the SoCAB is in attainment of the State and federal standards.

Source: SCAQMD 2016

CARB, a part of the California Environmental Protection Agency (CalEPA), is responsible for coordinating and administering both the federal and State air pollution control programs in California. In this capacity, CARB conducts research; sets the CAAQS, as shown in Table 3, California and Federal Ambient Air Quality Standards; compiles emission inventories; develops suggested control measures; oversees local programs; and prepares the State Implementation Plan (SIP). For regions that do not attain the CAAQS, CARB requires the air districts to prepare plans for attaining the standards. These plans are then integrated into the State SIP. CARB establishes emissions standards for (1) motor vehicles sold in California; (2) consumer products (e.g., hair spray, aerosol paints, barbecue lighter fluid); and (3) various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

O<sub>3</sub> is a secondary pollutant and is created when nitrogen oxides (NO<sub>x</sub>) and VOCs react in the presence of sunlight. The predominant source of air emissions generated by Project development would be from vehicle emissions. Motor vehicles primarily emit CO, NO<sub>x</sub>, and VOCs. The NAAQS and CAAQS are designed to protect the health and welfare of the populace within a reasonable margin of safety. The NAAQS and CAAQS for O<sub>3</sub>, CO, NO<sub>2</sub>, SO<sub>2</sub>, PM10, PM2.5, and lead are shown in Table 3.

The SCAQMD was established in 1977 by merging the individual air pollution control districts of the four counties within the SoCAB: Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SCAQMD and the Southern California Association of Governments (SCAG), in coordination with local governments and the private sector, develop the Air Quality Management Plan (AQMP) for the SoCAB to satisfy these requirements. The AQMP is the most important air management document for the SoCAB because it provides the blueprint for meeting State and federal ambient air quality standards.



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On November 28, 2007, CARB submitted a SIP revision to the USEPA for O<sub>3</sub>, PM<sub>2.5</sub> (1997 Standard), CO, and NO<sub>2</sub> in the SoCAB. This revision is identified as the “2007 South Coast SIP.” The 2007 South Coast SIP demonstrates attainment of the federal PM<sub>2.5</sub> standard in the SoCAB by 2014 and attainment of the federal 8-hour O<sub>3</sub> standard by 2023. This SIP also includes a request to reclassify the O<sub>3</sub> attainment designation from “severe” to “extreme”. The USEPA approved the redesignation, effective June 4, 2010. The “extreme” designation requires the attainment of the 8-hour O<sub>3</sub> standard in the SoCAB by June 2024. CARB approved PM<sub>2.5</sub> SIP revisions in April 2011 and the O<sub>3</sub> SIP revisions in July 2011. The USEPA approved the PM<sub>2.5</sub> SIP on September 25, 2013, and has approved 47 of the 62 1997 8-hour O<sub>3</sub> SIP requirements. On November 30, 2014, the USEPA proposed a finding that the SoCAB has attained the 1997 PM<sub>2.5</sub> standards (USEPA 2014).

On September 30, 2015, the USEPA proposed to approve elements of the South Coast 2012 PM<sub>2.5</sub> Plan and 2015 Supplement, which addresses Clean Air Act requirements for the 2006 PM<sub>2.5</sub> NAAQS and proposed to reclassify the area as a “serious” nonattainment area for the 2006 PM<sub>2.5</sub> standard. The reclassification is based on the determination that the area cannot practicably attain the 2006 PM<sub>2.5</sub> NAAQS by the “moderate” area attainment date (December 31, 2015). On December 22, 2015, the USEPA reclassified the South Coast area as a “serious” nonattainment area for the 2006 PM<sub>2.5</sub> standard. The final reclassification requires the State to submit a “serious” area plan that provides for attainment of the 2006 PM<sub>2.5</sub> NAAQS as expeditiously as practicable and no later than December 31, 2019 (USEPA 2016).

**TABLE 3  
 CALIFORNIA AND FEDERAL AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards	Federal Standards	
			Primary <sup>a</sup>	Secondary <sup>b</sup>
O <sub>3</sub>	1-Hour	0.09 ppm (180 µg/m <sup>3</sup> )	–	–
	8-Hour	0.070 ppm (137 µg/m <sup>3</sup> )	0.070 ppm (137 µg/m <sup>3</sup> )	Same as Primary
PM <sub>10</sub>	24-Hour	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>	Same as Primary
	AAM	20 µg/m <sup>3</sup>	–	Same as Primary
PM <sub>2.5</sub>	24-Hour	–	35 µg/m <sup>3</sup>	Same as Primary
	AAM	12 µg/m <sup>3</sup>	12.0 µg/m <sup>3</sup>	15.0 µg/m <sup>3</sup>
CO	1-Hour	20 ppm (23 mg/m <sup>3</sup> )	35 ppm (40 mg/m <sup>3</sup> )	–
	8-Hour	9.0 ppm (10 mg/m <sup>3</sup> )	9 ppm (10 mg/m <sup>3</sup> )	–
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )	–	–
NO <sub>2</sub>	AAM	0.030 ppm (57 µg/m <sup>3</sup> )	0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary
	1-Hour	0.18 ppm (339 µg/m <sup>3</sup> )	0.100 ppm (188 µg/m <sup>3</sup> )	–
SO <sub>2</sub>	24-Hour	0.04 ppm (105 µg/m <sup>3</sup> )	–	–
	3 Hour	–	–	0.5 ppm (1,300 µg/m <sup>3</sup> )
	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	0.075 ppm (196 µg/m <sup>3</sup> )	–
Lead	30-day Avg.	1.5 µg/m <sup>3</sup>	–	–
	Calendar Quarter	–	1.5 µg/m <sup>3</sup>	Same as Primary
	Rolling 3-month Avg.	–	0.15 µg/m <sup>3</sup>	
Visibility Reducing Particles	8-Hour	Extinction coefficient of 0.23 per km – visibility ≥ 10 miles (0.07 per km – ≥30 miles for Lake Tahoe)	<b>No Federal Standards</b>	
Sulfates	24-Hour	25 µg/m <sup>3</sup>		
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m <sup>3</sup> )		
Vinyl Chloride	24-Hour	0.01 ppm (26 µg/m <sup>3</sup> )		

O<sub>3</sub>: ozone; ppm: parts per million; µg/m<sup>3</sup>: micrograms per cubic meter; PM<sub>10</sub>: respirable particulate matter 10 microns or less in diameter; AAM: Annual Arithmetic Mean; –: No Standard; PM<sub>2.5</sub>: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; mg/m<sup>3</sup>: milligrams per cubic meter; NO<sub>2</sub>: nitrogen dioxide; SO<sub>2</sub>: sulfur dioxide; km: kilometer

<sup>a</sup> *National Primary Standards*: The levels of air quality necessary, within an adequate margin of safety, to protect the public health

<sup>b</sup> *National Secondary Standards*: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant

Note: More detailed information in the data presented in this table can be found at the CARB website ([www.arb.ca.gov](http://www.arb.ca.gov)).

Source: CARB 2016

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On March 3, 2017, the SCAQMD adopted the 2016 AQMP, which is a regional and multi-agency effort (SCAQMD, CARB, SCAG, and USEPA). The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. The main purpose of an AQMP is to bring an area into compliance with the requirements of federal and State air quality standards. For a project to be consistent with the AQMP, the pollutants emitted from the project should not (1) exceed the SCAQMD CEQA air quality significance thresholds or (2) conflict with or exceed the assumptions in the AQMP.

### **Sensitive Air Quality Receptors**

Sensitive receptors include, but are not limited to, children, the elderly, persons with preexisting respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. The project site is located on the Mt. SAC campus. In accordance with the Mt. SAC 2016 CEQA Thresholds of Significance, sensitive receptors are limited to off campus areas. However, for the purposes of this project, the nearest sensitive receptors analyzed to be persons in on-campus buildings including the Physical Education Center (Building 27C), Pool Building (Building 27B), the Pool, the Exercise Science/Wellness Center (Building 27A), the Technology Center (Building 28A/B), the Health Careers Center (Building 67A), and the Welding and Heating/Air Conditioning Buildings (Building 69), none of which would be considered sensitive receptors. The nearest off-campus sensitive land uses are residential uses located approximately 1,520 feet to the north of the project site.

### **Air Quality Impact Analysis**

#### ***Thresholds of Significance***

The SCAQMD's Air Quality Analysis Handbook (CEQA Handbook) provides significance thresholds for both construction and operation of projects within the SCAQMD's jurisdictional boundaries (SCAQMD 2017a). The SCAQMD recommends that projects be evaluated in terms of the quantitative thresholds established to assess both the regional and localized impacts of project-related air pollutant emissions. The City of Walnut uses the current SCAQMD thresholds to determine whether a proposed project would have a significant impact. These SCAQMD thresholds are identified in Table 4, South Coast Air Quality Management District Air Quality Significance Thresholds. The following questions correspond to the questions in the Air Quality section of the Initial Study Checklist in Appendix G of the State CEQA Guidelines.

**TABLE 4  
 SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY  
 SIGNIFICANCE THRESHOLDS**

<b>Mass Daily Thresholds (lbs/day)<sup>a</sup></b>		
<b>Pollutant</b>	<b>Construction<sup>b</sup></b>	<b>Operation<sup>c</sup></b>
VOC	75	55
NOx	100	55
CO	550	550
PM10	150	150
PM2.5	55	55
SOx	150	150
Lead	3	3
<b>Toxic Air Contaminants</b>		
TACs (carcinogenic and noncarcinogenic)	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic & Acute Hazard Index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO <sub>2</sub> eq for industrial facilities	
<b>Ambient Air Quality for Criteria Pollutants<sup>d</sup></b>		
NO <sub>2</sub>	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 1-hour average ≥ 0.18 ppm Annual average ≥ 0.03 ppm (state) and 0.0534 ppm (federal)	
PM10	24-hour average ≥ 10.4 µg/m <sup>3</sup> (construction) 24-hour average ≥ 2.5 µg/m <sup>3</sup> (operation) Annual average ≥ 1.0 µg/m <sup>3</sup>	
PM2.5	24-hour average ≥ 10.4 µg/m <sup>3</sup> (construction) 24-hour average ≥ 2.5 µg/m <sup>3</sup> (operation)	
CO	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 1-hour average ≥ 20.0 ppm (State) 8-hour average ≥ 9.0 ppm (State/federal)	
Sulfate	24-hour average ≥ 1.0 µg/m <sup>3</sup>	
Lead 30-day average Rolling 3-month average	1.5 µg/m <sup>3</sup> (State) 0.15 µg/m <sup>3</sup> (federal)	
lbs/day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter with a diameter of 10 microns or less; PM2.5: fine particulate matter with a diameter of 2.5 microns or less; SOx: sulfur oxides; TAC: toxic air contaminant; SCAQMD: South Coast Air Quality Management District; GHG: greenhouse gas; MT/yr CO <sub>2</sub> eq: metric tons per year of carbon dioxide equivalent; NO <sub>2</sub> : nitrogen dioxide; ppm: parts per million; µg/m <sup>3</sup> : micrograms per cubic meter.		
<sup>a</sup> Source: SCAQMD <i>CEQA Air Quality Handbook</i> (SCAQMD 1993)		
<sup>b</sup> Construction thresholds apply to both the South Coast Air Basin and Coachella Valley (Salton Sea and Mojave Desert Air Basins).		
<sup>c</sup> For Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds.		
<sup>d</sup> Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated.		
<sup>e</sup> Ambient air quality threshold based on SCAQMD Rule 403.		
Revision: March 2015		

Mt. SAC 2016 CEQA Thresholds of Significance

To the extent the following thresholds of significance are applicable to the Project, they shall be applied to determine the Project’s environmental impact.

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
Air Quality	Localized and regional air quality	<p>An air quality impact for multiple projects in a FMP occurs if SCAQMD daily construction and daily operational thresholds, due to the net trip increase from baseline to buildout (based on fall student enrollment headcount increases), are exceeded; Site-specific project thresholds for single projects are stated below.</p> <p>A significant construction or operational air quality impact occurs if the SCAQMD construction and operation thresholds (See Table 1 of Report 15-116A) are exceeded.</p> <p>LST analysis is required for construction emissions for all site-specific projects of 56,000 asf (80,000 gsf); when a new building is located less than 417 feet (130 meters) from a sensitive receptor off-site (See Table 3 of Report 15-116A).</p> <p>See Report 15-116A for evaluating Scenario 1A in support of the air quality thresholds; watering twice per day, painting with 80 g/l or less to lower VOCs for the site-specific Scenario 1A.</p> <p>The stated thresholds apply to project air quality impacts only (existing + project baseline); not to air quality cumulative impacts (existing + project + cumulative).</p>	CARB; CalEPA; SCAQMD; SCAQMD LST standards	<p>All CalEEMod analyses shall include watering the project site at least twice per day during grading (MM-3h).</p> <p>If project air quality impacts are not significant, each site-specific project remains subject to the applicable air quality Mitigation Measures included in the latest approved FMP MMP.</p> <p>Renovation projects are usually excluded from further CalEEMod analyses because the construction activities do not result in significant net emissions.</p>

asf: assignable square feet; gsf: gross square feet; CARB: California Air Resources Board; CalEEMod: California Emissions Estimator Model; CalEPA: California Environmental Protection Agency; CEQA: California Environmental Quality Act; FMP: Facilities Management Plan; LST: Localized Significance Threshold MM: Mitigation Measure; MMP: Mitigation Monitoring Program; SCAQMD: South Coast Air Quality Management District; VOC: volatile organic compound.

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**Question AQ-1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?**

**No Impact.** The SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emissions sources, and enforces such measures through educational programs or fines, when necessary. It is directly responsible for reducing emissions from stationary (area and point), mobile, and indirect sources and has prepared an Air Quality Management Plan (AQMP) that establishes a program of rules and regulations directed at attaining the NAAQS and CAAQS.

As stated above, the SCAQMD adopted the 2016 AQMP on March 3, 2017 (SCAQMD 2017b). The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including the 2016-2040 RTP/SCS, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts.

The main purpose of an AQMP is to bring an area into compliance with the requirements of federal and State air quality standards. For a project to be consistent with the AQMP, the pollutants emitted from the project should not (1) exceed the SCAQMD CEQA air quality significance thresholds or (2) conflict with or exceed the assumptions in the AQMP. As shown in Threshold AQ-2 below, pollutant emissions from the proposed Project would be less than the SCAQMD thresholds and would not result in a significant impact. The Project provides transit infrastructure and seeks to promote the use of mass transit which reduces air pollutant emissions. The Project is consistent with the RTP/SCS and AQMP's goal of air pollution reduction through the use of mass transit and alternative-fueled vehicles. Foothill Transit buses use alternative fuels (compressed natural gas) with a commitment to transitioning to an all-electric bus fleet by 2030. The placement of the Project at the Mt. SAC campus was intentionally selected to increase ridership of Mt. SAC students, faculty, and staff. Because the Project is consistent with the goals of the AQMP, no conflict with the 2016 AQMP would occur with the proposed Project.

**Question AQ-2 Would the Project result in a violation of any air quality standard or contribute substantially to an existing or projected air quality violation?**

**Less than Significant Impact.** A project may have a significant impact where project-related emissions would exceed federal, State, or regional standards or thresholds or where project-related emissions would substantially contribute to an existing or projected air quality violation. The SCAQMD has developed construction and operational thresholds to determine whether projects would potentially result in contributing toward a violation of ambient air quality standards.

A project with daily emission rates below the SCAQMD's established air quality significance thresholds (shown in Table 4) would have a less than significant effect on regional air quality. Project emissions were estimated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2 computer program (CAPCOA 2016). CalEEMod is designed to model construction and operational emissions for land development projects and allows for the input of project-specific information. Construction of the Project would take approximately ten months and would be completed in 2020. The CalEEMod input for construction activities was based on the Project's construction assumptions and default assumptions derived from CalEEMod, as summarized below.

- Demolition of the existing asphalt and residential structures is anticipated to take one month. Demolition activities would generate ten round trips per day for export of demolition material. Demolition will involve 1.29 acres of pavement demolition and produce approximately 2,289 tons of material that will be hauled off site and recycled in accordance with regulations or disposed.

- Site preparation would occur for approximately three weeks.
- Grading activities would occur for three weeks and would involve approximately 9,605 CY of over-excavation which would be balanced on site and, consequently, would not generate any trips per day for export or import of soil.
- Trenching operations would take two weeks.
- Construction of structures would take approximately five months.
- Paving is expected to take approximately one-and-a-half months.
- Architectural coating would take approximately three weeks.

**Construction Emissions**

Air pollutant emissions would occur from construction equipment exhaust; fugitive dust from demolition and site grading; exhaust from trucks hauling demolition debris, soil, and materials and from vehicles trips by construction workers; and VOCs from painting and asphalt paving operations. Project construction rules such as SCAQMD Rule 403, Fugitive Dust, which requires watering of active grading areas, have been incorporated into the proposed Project and are included in the emissions calculations. Additional input details are included in Attachment A.

***Regional Emissions Thresholds – Maximum Daily Regional Emissions***

Table 5, Estimated Maximum Daily Construction Emissions, presents the estimated maximum daily emissions during construction of the proposed Project and compares the estimated emissions with the SCAQMD’s daily regional emission thresholds. As shown in Table 5, mass daily emissions from Project construction would be less than the SCAQMD’s thresholds for all criteria air pollutants. As such, emissions from construction activities would not violate any air quality standard or substantially contribute to an existing or projected air quality violation. Impacts would be less than significant, and no additional mitigation is required.

**TABLE 5  
 ESTIMATED MAXIMUM DAILY REGIONAL CONSTRUCTION EMISSIONS**

Year	Emissions (lbs./day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
2019	2	26	16	<1	3	2
2020	2	16	14	<1	1	1
<i>Maximum</i>	2	26	16	<1	3	2
<i>SCAQMD Thresholds (Table 4)</i>	75	100	550	150	150	55
<b>Exceeds SCAQMD Thresholds?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

lbs./day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District  
 Source: SCAQMD 2015 (thresholds); see Attachment A for CalEEMod model outputs.

***Construction Phase Localized Significance Thresholds***

In accordance with the Mt. SAC CEQA Thresholds of Significance, the Project does not require preparation of analysis pursuant to the SCAQMD localized significance threshold (LST) methodology.

However, for informational purposes, Table 6 provides a LST analysis consistent with SCAQMD’s LST methodology. Consistent with the LST methodology guidelines, when quantifying mass emissions for localized analysis, only emissions that occur onsite are considered. For the CO and NO<sub>2</sub> LST exposure analysis, receptors who could be exposed for one hour or more are considered. For the PM10 and PM2.5 LST exposure analysis, receptors who could be exposed for 24 hours are considered. The nearest receptors that could be exposed for 1 hour are students, faculty and staff at the Physical Education Center (Building 27C), Pool Building (Building 27B), the Pool, and the Exercise Science/Wellness Center (Building 27A). The nearest receptors who could be exposed for 24 hours (e.g., residences) are located approximately 470 meters north of the project site. However, to provide a conservative analysis of potential localized air pollutant exposure, the nearest on-campus uses were analyzed with the shortest distance specified within the LST guidance (SCAQMD 2008) of 25 meters is used for all pollutants. Table 6 shows the highest maximum localized daily construction emissions for NO<sub>x</sub>, CO, PM10 and PM2.5 for onsite construction activities. These project related construction emissions would not exceed the localized significance thresholds developed by the SCAQMD to determine whether localized air quality impacts would occur at receptor locations proximate to the project site. Locations located further from these analyzed locations would result in less exposure to air pollutants. As such, no significant localized air quality impacts would occur from construction related air pollutant emissions attributable to the Project.

**TABLE 6  
 MAXIMUM LOCALIZED DAILY CONSTRUCTION EMISSIONS (LBS/DAY)**

<b>Year</b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>PM10</b>	<b>PM2.5</b>
Maximum Daily Emissions	23	15	3	2
SCAQMD LST <sup>a</sup>	103	612	4	3
<b>Exceeds Thresholds</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
lbs/day: pounds per day; NO <sub>x</sub> : nitrogen oxides; CO: carbon monoxide; SCAQMD: South Coast Air Quality Management District; LST: Localized Significance Threshold.				
<sup>a</sup> Thresholds for Source Receptor Area 10, Pomona/Walnut Valley for a 1-acre site, 25-meter receptor distance.				
Source: SCAQMD 2008.				

**Operational Emissions**

Operational emissions comprise area, energy, and mobile source emissions. Area and energy source emissions are based on CalEEMod assumptions for the specific land uses and size. Because the Project consists of bus bays with limited lighting and an all-gender single-user toilet facility and storage/electrical closet, and minor circulation improvements, emissions from area and energy sources are negligible. This Project would not generate new vehicle trips but would result in mobile source emissions based on the additional travel distance of 0.25 mile that is anticipated due to the Project. The number of bus trips that are affected by the Project is 470 buses per day that are fueled by compressed natural gas. Emissions associated with mobile sources were calculated based on CARB’s EMFAC2017 emission factor model (CARB 2017). This modeling incorporated the emission rates associated with compressed natural gas. Emissions are expected to reduce further in the future when the bus fleets transitions to an all-electric fleet in 2030. Estimated peak daily operational emissions are shown in Table 7, Peak Daily Operational Emissions.



**TABLE 7  
 PEAK DAILY OPERATIONAL EMISSIONS**

Source	Emissions (lbs/day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
Area sources	<1	<1	<1	<1	<1	<1
Energy sources	<1	<1	<1	<1	<1	<1
Mobile sources	<1	<1	13	<1	<1	<1
<b>Total Operational Emissions*</b>	<b>1</b>	<b>&lt;1</b>	<b>13</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>
<i>SCAQMD Significance Thresholds (Table 4)</i>	55	55	550	150	150	55
<b>Significant Impact?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
lbs./day: pounds per day; VOC: volatile organic compounds; NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District * Some totals do not add due to rounding. Note: CalEEMod model data sheets are included in Attachment A.						

As shown in Table 7, the Project’s operational emissions would be less than the SCAQMD CEQA significance thresholds for all criteria pollutants. Therefore, the Project’s operational impact on regional emissions would be less than significant; and no additional mitigation is required.

**Question AQ-3** **Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?**

**Less than Significant Impact.** As identified in Table 2, the Los Angeles County portion of the SCAQMD is a nonattainment area for O<sub>3</sub>, PM10, and PM2.5. The Project would generate PM10, PM2.5, NO<sub>2</sub>, and O<sub>3</sub> precursors (NOx and VOC) during short-term construction and long-term operations.

**Construction Activities**

Construction activities associated with the proposed Project would result in less than significant construction-related regional and localized air quality impacts, as quantified above in Tables 5 and 6, respectively. SCAQMD’s policy with respect to cumulative impacts associated with the above referenced pollutants and their precursors is that impacts that would be directly less than significant on a project level would also be cumulatively less than significant (SCAQMD 2003). As discussed under Question AQ-2, short-term construction emissions would be reduced to less than significant levels. Therefore, consistent with SCAQMD policy, the cumulative construction impact of criteria pollutants would be less than significant.

**Operational Activities**

As shown in Table 7, operational emissions for all analyzed pollutants would be below the SCAQMD CEQA significance thresholds. Therefore, the Project would not contribute to a cumulatively considerable net increase of a pollutant for which the SoCAB is in nonattainment. Emissions of nonattainment pollutants or their precursors would not be cumulatively considerable and would be less than significant; no mitigation would be required.

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**Question AQ-4      Would the Project result in exposure of sensitive receptors to substantial pollutant concentrations?**

**Less than Significant Impact.** A significant impact may occur when a project would generate pollutant concentrations to a degree that would significantly affect sensitive receptors, which include populations more susceptible to the effects of air pollution than the population at large. Exposure of sensitive receptors is addressed for the following situations: CO hotspots, criteria pollutants and toxic air contaminants (TACs, specifically diesel particulate matter [DPM]) from on-site construction, and exposure to off-site TAC emissions. The Project's buses are fueled by natural gas, which is a fuel present in many homes and is not considered to be a major source of TACs. Emissions from the combustion of natural gas by buses will be replaced by an all-electric bus fleet that will not have any direct emissions. The use of alternative-fueled buses would reduce emissions compared to single occupancy vehicles and increased traffic congestion.

**Carbon Monoxide Hotspot**

In an urban setting, vehicle exhaust is the primary source of CO. Consequently, the highest CO concentrations generally are found close to congested intersections. Under typical meteorological conditions, CO concentrations tend to decrease as the distance from the emissions source (e.g., congested intersection) increases. Therefore, for purposes of providing a conservative worst-case impact analysis, CO concentrations typically are analyzed at congested intersection locations. If impacts are less than significant close to congested intersections, impacts would also be less than significant at more distant sensitive-receptors and other locations. An initial screening procedure is provided in the *Transportation Project-Level Carbon Monoxide Protocol* (CO Protocol) to determine whether a project poses the potential to generate a CO hotspot (UCD ITS 1997). The key criterion is whether the Project would worsen traffic congestion at signalized intersections operating at level of service (LOS) E or F. If a project poses a potential for a CO hotspot, a quantitative screening is required.

The Project would not result in an increase in bus trips nor substantially alter bus routes as compared to existing conditions. The additional travel distance of 0.25 mile into the project site would not result in the LOS to adversely affect intersections beyond acceptable conditions (LOS D). Because the LOS of nearby intersections is not expected to be LOS E or F, the Project is not considered to result in CO concentrations of such magnitude to exceed the State and federal ambient air quality standards. The impact would be less than significant.

**Criteria Pollutants from On-Site Construction**

Exposure of persons to NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions is discussed in response to Question AQ-2 above. No significant impacts would occur, and no additional mitigation is required.

**Toxic Air Contaminant Emissions from On-Site Construction**

Construction activities would result in short-term, Project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment used for site preparation (e.g., demolition, excavation, and grading), paving, building construction, and other miscellaneous activities. CARB identified DPM as a TAC in 1998. The dose to which receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance or substances in the environment and the duration of exposure to the substance. Thus, the risks estimated for a maximally exposed individual (MEI) are higher if a fixed exposure occurs over a longer time period. According to the Office of Environmental Health Hazard Assessment, health risk assessments—which determine the exposure of sensitive receptors

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to TAC emissions—should be based on a 30-year exposure period; however, such assessments should be limited to the period/duration of activities associated with the Project.

Relatively few pieces of off-road, heavy-duty diesel equipment would be operated, and the total construction period would be relatively short when compared to a 30-year exposure period. In addition, the nearest off-site residential use is located approximately 1,520 feet away. This large distance would allow for the relative low amounts of DPM generated by the Project to disperse such that health risk exposure resulting from the Project would be less than significant, and no mitigation is required.

**Question AQ-5    Would the Project create objectionable odors affecting a substantial number of people?**

**No Impact.** Potential operational odors could be created by cooking activities associated with residential uses. These odors would be similar to existing residential uses surrounding the project site and throughout the City, and odors would be confined to the immediate vicinity of the proposed dwelling units.

Furthermore, according to the SCAQMD's *CEQA Air Quality Handbook*, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The Project does not include any uses identified by the SCAQMD as being associated with odors and, therefore, would not produce objectionable odors. As such, the Project would have no significant impact in regard to objectionable odors. No mitigation is required.

## **GREENHOUSE GAS EMISSIONS ANALYSIS**

Relevant elements of the proposed Project related to the analysis of potential GHG emissions impacts include (1) demolition of 11 buildings and on-site paving, which would require export of demolition and construction debris; (2) on-site grading activities; (3) construction of 163 dwelling units, 28,665 square feet of commercial space, and subterranean parking; (4) the vehicle trips associated with the proposed Project; and (5) energy use by Project occupants.

California has adopted several initiatives to reduce the State's contribution to global climate change. This information is incorporated by reference into this report, and information that is relevant to the analysis of GHG emissions resulting from the proposed Project is summarized in this section.

### **Existing Conditions**

GHGs are global pollutants and are, therefore, unlike criteria air pollutants such as O<sub>3</sub>, particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), and TACs, which are pollutants of regional and local concern. While pollutants with localized air quality effects have relatively short atmospheric lifetimes (generally on the order of a few days), GHGs have relatively long atmospheric lifetimes, ranging from one year to several thousand years. Long atmospheric lifetimes allow for GHGs to disperse around the globe. Therefore, GHG effects are global, as opposed to the local and/or regional air quality effects of criteria air pollutant and TAC emissions. The project site is currently developed with a parking lot, which would be demolished to allow for construction of the Project.

### **Regulatory Background**

Significant changes in global climate patterns have been associated with global warming, which is an average increase in the temperature of the atmosphere near the Earth's surface; this is attributed to an accumulation of GHG emissions in the atmosphere. GHGs trap heat in the atmosphere which, in turn,

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increases the Earth's surface temperature. Some GHGs occur naturally and are emitted into the atmosphere through natural processes, while others are created and emitted solely through human activities.

On June 1, 2005, Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05, which calls for a reduction in GHG emissions to the year 2000 level by 2010, to year 1990 levels by 2020, and to 80 percent below 1990 levels by 2050.

The principal overall State plan and policy adopted for the purpose of reducing GHG emissions is Assembly Bill (AB) 32 (California Global Warming Solutions Act of 2006). AB 32 establishes regulatory, reporting, and market mechanisms to achieve quantifiable reductions in GHG emissions and establishes a cap on statewide GHG emissions. AB 32 recognizes that California is the source of substantial amounts of GHG emissions. The statute states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

(California Legislative Information 2006)

In order to avert these consequences, AB 32 establishes a State goal of reducing GHG emissions to 1990 levels by the year 2020, codifying the EO S-3-05 goal.

CARB approved a *Climate Change Scoping Plan*, as required by AB 32, in 2008; this plan is required to be updated every five years. The *Climate Change Scoping Plan* proposes a “comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health” (CARB 2008). The *Climate Change Scoping Plan* has a range of GHG-reduction actions which include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as a cap-and-trade system, and an AB 32 implementation regulation to fund the program. On February 10, 2014, CARB released the Draft Proposed First Update to the *Climate Change Scoping Plan* (CARB 2014). The board approved the final *First Update to the Climate Change Scoping Plan* on May 22, 2014. The first update describes California's progress towards AB 32 goals, stating that “California is on track to meet the near-term 2020 greenhouse gas limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32” (CARB 2014). The latest update occurred in January 2017 and incorporates the 40-percent reduction to 1990 emissions levels by 2030.

California EO B-30-15 (April 29, 2015) set an “interim” statewide emission target to reduce GHG emissions to 40 percent below 1990 levels by 2030 and directed State agencies with jurisdiction over GHG emissions to implement measures pursuant to statutory authority to achieve this 2030 target and the 2050 target of 80 percent below 1990 levels.

On September 8, 2016, the Governor signed Senate Bill (SB) 32 to codify the GHG reduction goals of EO B-30-15, requiring the State to reduce GHG emissions by 40 percent below 1990 levels by 2030 (*Health and Safety Code* Section 38566). This goal is expected to keep the State on track to meeting the goal set by EO S-3-05 of reducing GHG emissions by 80 percent below 1990 levels by 2050 (California

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Legislative Information 2017a). SB 32's findings state that CARB will "achieve the state's more stringent greenhouse gas emission reductions in a manner that benefits the state's most disadvantaged communities and is transparent and accountable to the public and the Legislature."

AB 197 was signed at the same time and will make sure that the SB 32 goals are met by requiring CARB to provide annual reports of GHGs, criteria pollutants, and TACs by facility, City and subcounty level, and sector for stationary sources and at the County level for mobile sources. It also requires CARB to prioritize specified emission reduction rules and regulations and to identify specified information for emission reduction measures (e.g., alternative compliance mechanism, market-based compliance mechanism, and potential monetary and nonmonetary incentive) when updating the Scoping Plan (California Legislative Information 2017b).

On April 29, 2015, Governor Brown signed EO B-30-15, which orders "[a] new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030 is established in order to ensure California meets its target of reducing greenhouse gas emissions to 80 percent below 1990 levels by 2050" (COOG 2015). Five key goals for reducing GHG emissions through 2030 include (1) increasing renewable electricity to 50 percent; (2) doubling the energy efficiency savings achieved in existing buildings and making heating fuels cleaner; (3) reducing petroleum use in cars and trucks by up to 50 percent; (4) reducing emissions of short-lived climate pollutants; and (5) managing farms, rangelands, forests and wetlands to increasingly store carbon. EO B-30-15 also directs CARB to update the *Climate Change Scoping Plan* to express the 2030 target in terms of million metric tons of carbon dioxide equivalent.

SB 350, signed October 7, 2015, is the Clean Energy and Pollution Reduction Act of 2015. SB 350 is the implementation of some of the goals of EO B-30-15. The objectives of SB 350 are as follows (California Legislative Information 2015):

1. To increase, from 33 percent to 50 percent, the procurement of our electricity from renewable sources
2. To double the energy efficiency savings in electricity and natural gas final end uses of retail customers through energy efficiency and conservation

The text of SB 350 sets a December 31, 2030, target for 50 percent of electricity to be generated from renewable sources.

The Sustainable Communities and Climate Protection Act of 2008, SB 375, established a process to coordinate land use planning, regional transportation plans, and funding priorities in order to help California meet the GHG reduction goals established in AB 32. SB 375 required SCAG to incorporate a "sustainable communities strategy" (SCS) into its regional transportation plans (RTPs) that will achieve GHG emission reduction targets through several measures, including land use decisions. SCAG's SCS is included in the SCAG 2016–2040 RTP/SCS (SCAG 2016). The goals and policies of the RTP/SCS that reduce vehicle miles traveled (VMT) focus on transportation and land use planning, which includes building infill projects; locating residents closer to where they work and play; and designing communities so there is access to high quality transit service.

**Mt. SAC 2016 CEQA Thresholds of Significance**

To the extent the following thresholds of significance are applicable to the Project, they shall be applied to determine the Project’s environmental impact.

<b>Environmental Topic in the CEQA Checklist</b>	<b>Impact</b>	<b>Mt. San Antonio Community College District Threshold of Significance</b>	<b>Agencies and Regulations</b>	<b>CEQA Procedures</b>
Greenhouse Gas Emissions	CO <sub>2</sub> EQ annual operational emissions and annualized construction emissions	<p>Written evidence supporting the District’s GHG emissions thresholds is identified in Footnote 4.</p> <p>Site-specific projects of less than 3.0 acres with import or export of 10,000 cy and buildings of 56,000 asf (80,000 gsf) do not exceed the GHG standard of 3,000 MT/Year CO<sub>2</sub>EQ for annual operational and 30-year amortized construction GHG emissions. See Table 5 of Report 15-116A</p> <p>See Report 15-116A for information regarding the GHG thresholds<sup>4</sup>; all assumptions for Scenario 1A for air quality (i.e., watering twice per day, and painting with 80 g/l or less) are required in a GHG analysis.</p> <p>The stated GHG thresholds apply to GHG impacts only (existing + project balance); not to GHG cumulative impacts (existing + project + cumulative) or global GHG emission impacts.</p>	<p>CalEPA</p> <p>CARB</p>	<p>Same criteria as stated for air quality in Section 2: Air Quality</p> <p>If GHG projects are not significant, each project remains subject to the applicable GHG MM in the latest approved FMP MMP (i.e., as conditions of approval) to reduce GHG regional emissions</p>
<p>CO<sub>2</sub>EQ: carbon dioxide equivalent; CalEPA: California Environmental Protection Agency; CARB: California Air Resources Board; g/l: grams per liter; GHG: greenhouse gas; FMP: Facilities Management Plan; MM: Mitigation Measure; MMP: Mitigation Monitoring Program; MT/Year CO<sub>2</sub>EQ; metric tons of carbon dioxide equivalent</p>				

**Greenhouse Gas Emissions Impact Analysis**

The following questions correspond to the questions in the Greenhouse Gas Emissions section of the Initial Study Checklist in Appendix G of the State CEQA Guidelines.

**Question GHG-1**      **Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

**Less than Significant Impact.** Based on the proposed construction activities described above, the principal source of construction GHG emissions would be internal combustion engines of construction equipment, on-road construction vehicles, and workers’ commuting vehicles. GHG emissions from construction activities were obtained from the CalEEMod model, described above. The estimated construction GHG emissions for the Project would be 198 MTCO<sub>2</sub>e, as shown in Table 8, Estimated Greenhouse Gas Emissions from Construction.

**TABLE 8  
 ESTIMATED GREENHOUSE GAS  
 EMISSIONS FROM CONSTRUCTION**

Source	Emissions (MTCO <sub>2</sub> e)
2019	104
2020	94
<b>Total</b>	<b>198</b>
MTCO <sub>2</sub> e: metric tons of carbon dioxide equivalent	
Notes:	
<ul style="list-style-type: none"> <li>Totals may not add due to rounding variances.</li> <li>Detailed calculations in Attachment A.</li> </ul>	

Operational GHG emissions would come primarily from vehicle trips; other sources include electricity. Estimated Project operational GHG emissions are shown in Table 9, Estimated Annual Greenhouse Gas Emissions from Project Operation.

**TABLE 9  
 ESTIMATED ANNUAL GREENHOUSE GAS  
 EMISSIONS FROM PROJECT OPERATION**

Source	Emissions (MTCO <sub>2</sub> e/yr)
Area	<1
Energy	6
Mobile	93
Waste	<1
Water	<1
<b>Total Operational Emissions</b>	<b>99</b>
MTCO <sub>2</sub> e/yr: metric tons of carbon dioxide equivalent per year	
Notes:	
<ul style="list-style-type: none"> <li>Totals may not add due to rounding variances.</li> <li>Detailed calculations in Attachment A.</li> </ul>	

Because impacts from construction activities occur over a relatively short period of time, they contribute a relatively small portion of the overall lifetime Project GHG emissions. In addition, GHG emission reduction measures for construction equipment are relatively limited. The SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime so that GHG reduction measures address construction GHG emissions as part of the operational GHG reduction strategies (SCAQMD 2008). Therefore, construction and operational emissions are combined by amortizing the construction and operations over an assumed 30-year project lifetime. This combination is shown in Table 10, Estimated Total Project Annual Greenhouse Gas Emissions.

**TABLE 10  
 ESTIMATED TOTAL PROJECT ANNUAL  
 GREENHOUSE GAS EMISSIONS**

Source	Emissions (MTCO <sub>2</sub> e/yr <sup>a</sup> )
Construction Amortized	7 <sup>a</sup>
Operations	99
<b>Total<sup>b</sup></b>	<b>106</b>
<b>SCAQMD Threshold</b>	<b>3,000</b>
<b>Exceeds Threshold?</b>	<b>No</b>
MTCO <sub>2</sub> e/yr: metric tons of carbon dioxide equivalent per year	
<sup>a</sup> Total derived by dividing construction emissions (see Table 8) by 30.	
<sup>b</sup> Total annual emissions is the sum of amortized construction emissions and operational emissions.	

As noted above, Mt. SAC has established interim GHG thresholds related to project-level emissions from land use projects. The threshold for combined amortized construction and operational emissions is 3,000 MTCO<sub>2</sub>e/yr. The GHG emissions for the Project would be 106 MTCO<sub>2</sub>e/yr, as shown in Table 10, which is below the SCAQMD’s threshold of 3,000 MTCO<sub>2</sub>e/yr. The impact would be less than significant, and no mitigation is required.

**Question GHG-2 Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

**Less than Significant Impact.** As discussed previously, FT has adopted alternative-fueled transit for the purpose of reducing air pollutant and GHG emissions. As shown in Table 9, Estimated Total Project Annual Greenhouse Gas Emissions, the Project’s GHG emissions would be below the interim screening threshold established by the SCAQMD. The State policy and standards adopted for the purpose of reducing GHG emissions that are applicable to the proposed Project are Executive Order S-3-05, AB 32, the California Global Warming Solutions Act of 2006, and SB 32. The quantitative goal of these regulations is to reduce GHG emissions to 1990 levels by 2020 to 80 percent below 1990 levels by 2050; and, for SB 32, to 40 percent below 1990 levels by 2030. Statewide plans and regulations (such as GHG emissions standards for vehicles, the Low Carbon Fuel Standard, Cap-and-Trade, and renewable energy) are being implemented at the statewide level, and compliance at a project level is not addressed. Therefore, the proposed Project does not conflict with these plans and regulations but would assist in achieving the statewide goal through use of alternative fuels and providing alternatives to higher GHG emissions associated with single-occupant vehicles.

Mt. SAC has prepared a draft Climate Action Plan, which acknowledges the concept that the use of mass transit and alternative fuels produce a lower GHG content than diesel or gasoline. The proposed Project is an infill and transit infrastructure development project. The Project is located within the Mt. SAC campus, which would promote the use of mass transit by students, faculty, and staff due to the proximity of this Project to campus. The Project would also provide the required infrastructure to accommodate electric bus charging stations. Foothill Transit has committed to having an all-electric bus fleet by the year 2030. The provision of low emissions transit service supports the goals and policies of the SCAG 2016-2040 RTP/SCS, as described above, thereby also supporting SB 375 and AB 32 goals. The Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment and would not conflict with an applicable plan, policy, or regulation adopted for the purpose



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of reducing the emissions of GHGs. The impact would be less than significant, and no mitigation is required.

**CONCLUSION**

The Project was analyzed for potential air quality and GHG emissions from both the construction and operational phases. The Project would not conflict with or obstruct implementation of the SCAQMD 2016 AQMP. Nor would the proposed Project cause health hazards, as the Project site does not use diesel fuel but rather uses compressed natural gas and eventually will be powered by electricity, which results in zero direct emissions. As previously shown in Tables 5 through 7, air quality impacts from construction and operation of the Project would be under SCAQMD air quality thresholds. Project-related construction emissions would not be cumulatively considerable, and the impact would be less than significant. Sensitive receptors near the project site would not be exposed to substantial pollutant concentrations, and the impact would be less than significant. The Project would not produce objectionable odors that constitute a public nuisance. As previously shown in Tables 8 through 10, the Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment and would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. In conclusion, the Project would have no impacts or less than significant impacts for all Project-related air quality and GHG emissions, and no mitigation is required.

Thank you for the opportunity to assist on this Project. If you have any questions or comments, please contact me at (626) 351-2000.

Sincerely,

**P S O M A S**



Tin Cheung  
Director of Air Quality, Climate Change, and Noise Services

Attachment A – CalEEMod Data

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**ATTACHMENT A**

**CALEEMOD DATA**

Attached is the output data from the CalEEMod criteria air pollutant and greenhouse gas emissions (GHG) model.

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**Mt. SAC Transit Center**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.29	Acre	1.29	56,192.40	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Construction Phase - Project schedule provided by the engineer

Off-road Equipment -

Demolition -

Vehicle Trips -

Construction Off-road Equipment Mitigation -

Fleet Mix - Only buses

## Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	NumDays	200.00	101.00
tblConstructionPhase	NumDays	4.00	16.00
tblConstructionPhase	NumDays	10.00	31.00
tblConstructionPhase	NumDays	2.00	16.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblGrading	AcresOfGrading	6.00	1.50
tblGrading	AcresOfGrading	8.00	1.00

## 2.0 Emissions Summary

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Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
Energy	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
Mobile	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
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-004</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
Energy	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
Mobile	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
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-004</b>



## Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

	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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	8/8/2019	9/4/2019	5	20	
2	Site Preparation	Site Preparation	9/9/2019	9/30/2019	5	16	
3	Grading	Grading	10/1/2019	10/22/2019	5	16	
4	Trenching	Trenching	10/23/2019	11/6/2019	5	11	
5	Building Construction	Building Construction	11/7/2019	3/26/2020	5	101	
6	Paving	Paving	3/27/2020	5/9/2020	5	31	
7	Architectural Coating	Architectural Coating	5/11/2020	6/1/2020	5	16	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 1.29**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,372 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	226.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4491	0.0000	2.4491	0.3708	0.0000	0.3708			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
<b>Total</b>	<b>2.2950</b>	<b>22.6751</b>	<b>14.8943</b>	<b>0.0241</b>	<b>2.4491</b>	<b>1.2863</b>	<b>3.7354</b>	<b>0.3708</b>	<b>1.2017</b>	<b>1.5726</b>		<b>2,360.7198</b>	<b>2,360.7198</b>	<b>0.6011</b>		<b>2,375.7475</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1089	3.5072	0.7878	8.8800e-003	0.1976	0.0129	0.2105	0.0542	0.0124	0.0665		960.3301	960.3301	0.0698		962.0762
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0720	0.0529	0.5752	1.4900e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		148.4770	148.4770	5.1100e-003		148.6047
<b>Total</b>	<b>0.1808</b>	<b>3.5600</b>	<b>1.3630</b>	<b>0.0104</b>	<b>0.3429</b>	<b>0.0142</b>	<b>0.3571</b>	<b>0.0927</b>	<b>0.0135</b>	<b>0.1062</b>		<b>1,108.8072</b>	<b>1,108.8072</b>	<b>0.0750</b>		<b>1,110.6809</b>

**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					0.9552	0.0000	0.9552	0.1446	0.0000	0.1446			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
<b>Total</b>	<b>2.2950</b>	<b>22.6751</b>	<b>14.8943</b>	<b>0.0241</b>	<b>0.9552</b>	<b>1.2863</b>	<b>2.2415</b>	<b>0.1446</b>	<b>1.2017</b>	<b>1.3464</b>	<b>0.0000</b>	<b>2,360.7197</b>	<b>2,360.7197</b>	<b>0.6011</b>		<b>2,375.7475</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1089	3.5072	0.7878	8.8800e-003	0.1976	0.0129	0.2105	0.0542	0.0124	0.0665		960.3301	960.3301	0.0698		962.0762
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0720	0.0529	0.5752	1.4900e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		148.4770	148.4770	5.1100e-003		148.6047
<b>Total</b>	<b>0.1808</b>	<b>3.5600</b>	<b>1.3630</b>	<b>0.0104</b>	<b>0.3429</b>	<b>0.0142</b>	<b>0.3571</b>	<b>0.0927</b>	<b>0.0135</b>	<b>0.1062</b>		<b>1,108.8072</b>	<b>1,108.8072</b>	<b>0.0750</b>		<b>1,110.6809</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3356	0.0000	5.3356	2.9036	0.0000	2.9036			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118		1,704.9189	1,704.9189	0.5394		1,718.4044
<b>Total</b>	<b>1.7123</b>	<b>19.4821</b>	<b>7.8893</b>	<b>0.0172</b>	<b>5.3356</b>	<b>0.8824</b>	<b>6.2180</b>	<b>2.9036</b>	<b>0.8118</b>	<b>3.7154</b>		<b>1,704.9189</b>	<b>1,704.9189</b>	<b>0.5394</b>		<b>1,718.4044</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.3 Site Preparation - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491
<b>Total</b>	<b>0.0443</b>	<b>0.0325</b>	<b>0.3540</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>91.3705</b>	<b>91.3705</b>	<b>3.1400e-003</b>		<b>91.4491</b>

**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					2.0809	0.0000	2.0809	1.1324	0.0000	1.1324			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118	0.0000	1,704.9189	1,704.9189	0.5394		1,718.4044
<b>Total</b>	<b>1.7123</b>	<b>19.4821</b>	<b>7.8893</b>	<b>0.0172</b>	<b>2.0809</b>	<b>0.8824</b>	<b>2.9632</b>	<b>1.1324</b>	<b>0.8118</b>	<b>1.9442</b>	<b>0.0000</b>	<b>1,704.9189</b>	<b>1,704.9189</b>	<b>0.5394</b>		<b>1,718.4044</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.3 Site Preparation - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491
<b>Total</b>	<b>0.0443</b>	<b>0.0325</b>	<b>0.3540</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>91.3705</b>	<b>91.3705</b>	<b>3.1400e-003</b>		<b>91.4491</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6160	0.0000	4.6160	2.4934	0.0000	2.4934			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775		1,396.3909	1,396.3909	0.4418		1,407.4359
<b>Total</b>	<b>1.4197</b>	<b>16.0357</b>	<b>6.6065</b>	<b>0.0141</b>	<b>4.6160</b>	<b>0.7365</b>	<b>5.3525</b>	<b>2.4934</b>	<b>0.6775</b>	<b>3.1710</b>		<b>1,396.3909</b>	<b>1,396.3909</b>	<b>0.4418</b>		<b>1,407.4359</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.4 Grading - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491
<b>Total</b>	<b>0.0443</b>	<b>0.0325</b>	<b>0.3540</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>91.3705</b>	<b>91.3705</b>	<b>3.1400e-003</b>		<b>91.4491</b>

**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					1.8002	0.0000	1.8002	0.9724	0.0000	0.9724			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775	0.0000	1,396.3909	1,396.3909	0.4418		1,407.4359
<b>Total</b>	<b>1.4197</b>	<b>16.0357</b>	<b>6.6065</b>	<b>0.0141</b>	<b>1.8002</b>	<b>0.7365</b>	<b>2.5367</b>	<b>0.9724</b>	<b>0.6775</b>	<b>1.6500</b>	<b>0.0000</b>	<b>1,396.3909</b>	<b>1,396.3909</b>	<b>0.4418</b>		<b>1,407.4359</b>



Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.4 Grading - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491
<b>Total</b>	<b>0.0443</b>	<b>0.0325</b>	<b>0.3540</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>91.3705</b>	<b>91.3705</b>	<b>3.1400e-003</b>		<b>91.4491</b>

**3.5 Trenching - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4656	4.6747	4.6054	6.2100e-003		0.3121	0.3121		0.2871	0.2871		615.0837	615.0837	0.1946		619.9489
<b>Total</b>	<b>0.4656</b>	<b>4.6747</b>	<b>4.6054</b>	<b>6.2100e-003</b>		<b>0.3121</b>	<b>0.3121</b>		<b>0.2871</b>	<b>0.2871</b>		<b>615.0837</b>	<b>615.0837</b>	<b>0.1946</b>		<b>619.9489</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.5 Trenching - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0277	0.0203	0.2212	5.7000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		57.1065	57.1065	1.9600e-003		57.1557
<b>Total</b>	<b>0.0277</b>	<b>0.0203</b>	<b>0.2212</b>	<b>5.7000e-004</b>	<b>0.0559</b>	<b>4.8000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.4000e-004</b>	<b>0.0153</b>		<b>57.1065</b>	<b>57.1065</b>	<b>1.9600e-003</b>		<b>57.1557</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4656	4.6747	4.6054	6.2100e-003		0.3121	0.3121		0.2871	0.2871	0.0000	615.0837	615.0837	0.1946		619.9489
<b>Total</b>	<b>0.4656</b>	<b>4.6747</b>	<b>4.6054</b>	<b>6.2100e-003</b>		<b>0.3121</b>	<b>0.3121</b>		<b>0.2871</b>	<b>0.2871</b>	<b>0.0000</b>	<b>615.0837</b>	<b>615.0837</b>	<b>0.1946</b>		<b>619.9489</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.5 Trenching - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0277	0.0203	0.2212	5.7000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		57.1065	57.1065	1.9600e-003		57.1557
<b>Total</b>	<b>0.0277</b>	<b>0.0203</b>	<b>0.2212</b>	<b>5.7000e-004</b>	<b>0.0559</b>	<b>4.8000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.4000e-004</b>	<b>0.0153</b>		<b>57.1065</b>	<b>57.1065</b>	<b>1.9600e-003</b>		<b>57.1557</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846		2,018.0224	2,018.0224	0.3879		2,027.7210
<b>Total</b>	<b>2.2721</b>	<b>15.9802</b>	<b>13.4870</b>	<b>0.0220</b>		<b>0.9158</b>	<b>0.9158</b>		<b>0.8846</b>	<b>0.8846</b>		<b>2,018.0224</b>	<b>2,018.0224</b>	<b>0.3879</b>		<b>2,027.7210</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.6 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0390	1.0430	0.3046	2.2900e-003	0.0576	6.7500e-003	0.0644	0.0166	6.4600e-003	0.0231		244.1494	244.1494	0.0172		244.5782
Worker	0.1329	0.0976	1.0619	2.7500e-003	0.2683	2.3100e-003	0.2706	0.0711	2.1300e-003	0.0733		274.1114	274.1114	9.4300e-003		274.3471
<b>Total</b>	<b>0.1719</b>	<b>1.1405</b>	<b>1.3666</b>	<b>5.0400e-003</b>	<b>0.3259</b>	<b>9.0600e-003</b>	<b>0.3350</b>	<b>0.0877</b>	<b>8.5900e-003</b>	<b>0.0963</b>		<b>518.2608</b>	<b>518.2608</b>	<b>0.0266</b>		<b>518.9253</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846	0.0000	2,018.0224	2,018.0224	0.3879		2,027.7210
<b>Total</b>	<b>2.2721</b>	<b>15.9802</b>	<b>13.4870</b>	<b>0.0220</b>		<b>0.9158</b>	<b>0.9158</b>		<b>0.8846</b>	<b>0.8846</b>	<b>0.0000</b>	<b>2,018.0224</b>	<b>2,018.0224</b>	<b>0.3879</b>		<b>2,027.7210</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.6 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0390	1.0430	0.3046	2.2900e-003	0.0576	6.7500e-003	0.0644	0.0166	6.4600e-003	0.0231		244.1494	244.1494	0.0172		244.5782
Worker	0.1329	0.0976	1.0619	2.7500e-003	0.2683	2.3100e-003	0.2706	0.0711	2.1300e-003	0.0733		274.1114	274.1114	9.4300e-003		274.3471
<b>Total</b>	<b>0.1719</b>	<b>1.1405</b>	<b>1.3666</b>	<b>5.0400e-003</b>	<b>0.3259</b>	<b>9.0600e-003</b>	<b>0.3350</b>	<b>0.0877</b>	<b>8.5900e-003</b>	<b>0.0963</b>		<b>518.2608</b>	<b>518.2608</b>	<b>0.0266</b>		<b>518.9253</b>

**3.6 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688		2,001.1595	2,001.1595	0.3715		2,010.4467
<b>Total</b>	<b>2.0305</b>	<b>14.7882</b>	<b>13.1881</b>	<b>0.0220</b>		<b>0.7960</b>	<b>0.7960</b>		<b>0.7688</b>	<b>0.7688</b>		<b>2,001.1595</b>	<b>2,001.1595</b>	<b>0.3715</b>		<b>2,010.4467</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.6 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0335	0.9572	0.2767	2.2700e-003	0.0576	4.5800e-003	0.0622	0.0166	4.3800e-003	0.0210		242.5042	242.5042	0.0162		242.9096
Worker	0.1227	0.0870	0.9624	2.6700e-003	0.2683	2.2400e-003	0.2705	0.0711	2.0700e-003	0.0732		265.7809	265.7809	8.3800e-003		265.9903
<b>Total</b>	<b>0.1561</b>	<b>1.0441</b>	<b>1.2391</b>	<b>4.9400e-003</b>	<b>0.3259</b>	<b>6.8200e-003</b>	<b>0.3327</b>	<b>0.0877</b>	<b>6.4500e-003</b>	<b>0.0942</b>		<b>508.2851</b>	<b>508.2851</b>	<b>0.0246</b>		<b>508.8999</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688	0.0000	2,001.1595	2,001.1595	0.3715		2,010.4467
<b>Total</b>	<b>2.0305</b>	<b>14.7882</b>	<b>13.1881</b>	<b>0.0220</b>		<b>0.7960</b>	<b>0.7960</b>		<b>0.7688</b>	<b>0.7688</b>	<b>0.0000</b>	<b>2,001.1595</b>	<b>2,001.1595</b>	<b>0.3715</b>		<b>2,010.4467</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.6 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0335	0.9572	0.2767	2.2700e-003	0.0576	4.5800e-003	0.0622	0.0166	4.3800e-003	0.0210		242.5042	242.5042	0.0162		242.9096
Worker	0.1227	0.0870	0.9624	2.6700e-003	0.2683	2.2400e-003	0.2705	0.0711	2.0700e-003	0.0732		265.7809	265.7809	8.3800e-003		265.9903
<b>Total</b>	<b>0.1561</b>	<b>1.0441</b>	<b>1.2391</b>	<b>4.9400e-003</b>	<b>0.3259</b>	<b>6.8200e-003</b>	<b>0.3327</b>	<b>0.0877</b>	<b>6.4500e-003</b>	<b>0.0942</b>		<b>508.2851</b>	<b>508.2851</b>	<b>0.0246</b>		<b>508.8999</b>

**3.7 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328		1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9492</b>	<b>8.4514</b>	<b>8.8758</b>	<b>0.0135</b>		<b>0.4695</b>	<b>0.4695</b>		<b>0.4328</b>	<b>0.4328</b>		<b>1,296.9461</b>	<b>1,296.9461</b>	<b>0.4111</b>		<b>1,307.2246</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.7 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0471	0.5213	1.4500e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		143.9647	143.9647	4.5400e-003		144.0781
<b>Total</b>	<b>0.0664</b>	<b>0.0471</b>	<b>0.5213</b>	<b>1.4500e-003</b>	<b>0.1453</b>	<b>1.2100e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.1200e-003</b>	<b>0.0397</b>		<b>143.9647</b>	<b>143.9647</b>	<b>4.5400e-003</b>		<b>144.0781</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328	0.0000	1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9492</b>	<b>8.4514</b>	<b>8.8758</b>	<b>0.0135</b>		<b>0.4695</b>	<b>0.4695</b>		<b>0.4328</b>	<b>0.4328</b>	<b>0.0000</b>	<b>1,296.9461</b>	<b>1,296.9461</b>	<b>0.4111</b>		<b>1,307.2246</b>



Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.7 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0471	0.5213	1.4500e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		143.9647	143.9647	4.5400e-003		144.0781
<b>Total</b>	<b>0.0664</b>	<b>0.0471</b>	<b>0.5213</b>	<b>1.4500e-003</b>	<b>0.1453</b>	<b>1.2100e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.1200e-003</b>	<b>0.0397</b>		<b>143.9647</b>	<b>143.9647</b>	<b>4.5400e-003</b>		<b>144.0781</b>

**3.8 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.2190</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.8 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0256	0.0181	0.2005	5.6000e-004	0.0559	4.7000e-004	0.0564	0.0148	4.3000e-004	0.0153		55.3710	55.3710	1.7500e-003		55.4147
<b>Total</b>	<b>0.0256</b>	<b>0.0181</b>	<b>0.2005</b>	<b>5.6000e-004</b>	<b>0.0559</b>	<b>4.7000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.3000e-004</b>	<b>0.0153</b>		<b>55.3710</b>	<b>55.3710</b>	<b>1.7500e-003</b>		<b>55.4147</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.2190</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**3.8 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0256	0.0181	0.2005	5.6000e-004	0.0559	4.7000e-004	0.0564	0.0148	4.3000e-004	0.0153		55.3710	55.3710	1.7500e-003		55.4147
<b>Total</b>	<b>0.0256</b>	<b>0.0181</b>	<b>0.2005</b>	<b>5.6000e-004</b>	<b>0.0559</b>	<b>4.7000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.3000e-004</b>	<b>0.0153</b>		<b>55.3710</b>	<b>55.3710</b>	<b>1.7500e-003</b>		<b>55.4147</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	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
Unmitigated	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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
Unmitigated	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004

Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0199					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>		<b>3.0000e-004</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0199					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>		<b>3.0000e-004</b>

**7.0 Water Detail**

## Mt. SAC Transit Center - Los Angeles-South Coast County, Winter

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**Mt. SAC Transit Center**  
**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.29	Acre	1.29	56,192.40	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Construction Phase - Project schedule provided by the engineer

Off-road Equipment -

Demolition -

Vehicle Trips -

Construction Off-road Equipment Mitigation -

Fleet Mix - Only buses

## Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	NumDays	200.00	101.00
tblConstructionPhase	NumDays	4.00	16.00
tblConstructionPhase	NumDays	10.00	31.00
tblConstructionPhase	NumDays	2.00	16.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblGrading	AcresOfGrading	6.00	1.50
tblGrading	AcresOfGrading	8.00	1.00

## 2.0 Emissions Summary

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Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
Energy	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
Mobile	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
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-004</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
Energy	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
Mobile	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
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-004</b>

## Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

	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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	8/8/2019	9/4/2019	5	20	
2	Site Preparation	Site Preparation	9/9/2019	9/30/2019	5	16	
3	Grading	Grading	10/1/2019	10/22/2019	5	16	
4	Trenching	Trenching	10/23/2019	11/6/2019	5	11	
5	Building Construction	Building Construction	11/7/2019	3/26/2020	5	101	
6	Paving	Paving	3/27/2020	5/9/2020	5	31	
7	Architectural Coating	Architectural Coating	5/11/2020	6/1/2020	5	16	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 1.29**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,372 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	226.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4491	0.0000	2.4491	0.3708	0.0000	0.3708			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
<b>Total</b>	<b>2.2950</b>	<b>22.6751</b>	<b>14.8943</b>	<b>0.0241</b>	<b>2.4491</b>	<b>1.2863</b>	<b>3.7354</b>	<b>0.3708</b>	<b>1.2017</b>	<b>1.5726</b>		<b>2,360.7198</b>	<b>2,360.7198</b>	<b>0.6011</b>		<b>2,375.7475</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.2 Demolition - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1062	3.4610	0.7379	9.0300e-003	0.1976	0.0127	0.2103	0.0542	0.0122	0.0663		976.8983	976.8983	0.0673		978.5802
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0649	0.0477	0.6268	1.5800e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		157.6839	157.6839	5.4200e-003		157.8193
<b>Total</b>	<b>0.1711</b>	<b>3.5087</b>	<b>1.3647</b>	<b>0.0106</b>	<b>0.3429</b>	<b>0.0140</b>	<b>0.3568</b>	<b>0.0927</b>	<b>0.0133</b>	<b>0.1060</b>		<b>1,134.5822</b>	<b>1,134.5822</b>	<b>0.0727</b>		<b>1,136.3995</b>

**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					0.9552	0.0000	0.9552	0.1446	0.0000	0.1446			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
<b>Total</b>	<b>2.2950</b>	<b>22.6751</b>	<b>14.8943</b>	<b>0.0241</b>	<b>0.9552</b>	<b>1.2863</b>	<b>2.2415</b>	<b>0.1446</b>	<b>1.2017</b>	<b>1.3464</b>	<b>0.0000</b>	<b>2,360.7197</b>	<b>2,360.7197</b>	<b>0.6011</b>		<b>2,375.7475</b>



Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.2 Demolition - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1062	3.4610	0.7379	9.0300e-003	0.1976	0.0127	0.2103	0.0542	0.0122	0.0663		976.8983	976.8983	0.0673		978.5802
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0649	0.0477	0.6268	1.5800e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		157.6839	157.6839	5.4200e-003		157.8193
<b>Total</b>	<b>0.1711</b>	<b>3.5087</b>	<b>1.3647</b>	<b>0.0106</b>	<b>0.3429</b>	<b>0.0140</b>	<b>0.3568</b>	<b>0.0927</b>	<b>0.0133</b>	<b>0.1060</b>		<b>1,134.5822</b>	<b>1,134.5822</b>	<b>0.0727</b>		<b>1,136.3995</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3356	0.0000	5.3356	2.9036	0.0000	2.9036			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118		1,704.9189	1,704.9189	0.5394		1,718.4044
<b>Total</b>	<b>1.7123</b>	<b>19.4821</b>	<b>7.8893</b>	<b>0.0172</b>	<b>5.3356</b>	<b>0.8824</b>	<b>6.2180</b>	<b>2.9036</b>	<b>0.8118</b>	<b>3.7154</b>		<b>1,704.9189</b>	<b>1,704.9189</b>	<b>0.5394</b>		<b>1,718.4044</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.3 Site Preparation - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196
<b>Total</b>	<b>0.0400</b>	<b>0.0294</b>	<b>0.3857</b>	<b>9.7000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>97.0362</b>	<b>97.0362</b>	<b>3.3300e-003</b>		<b>97.1196</b>

**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					2.0809	0.0000	2.0809	1.1324	0.0000	1.1324			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118	0.0000	1,704.9189	1,704.9189	0.5394		1,718.4044
<b>Total</b>	<b>1.7123</b>	<b>19.4821</b>	<b>7.8893</b>	<b>0.0172</b>	<b>2.0809</b>	<b>0.8824</b>	<b>2.9632</b>	<b>1.1324</b>	<b>0.8118</b>	<b>1.9442</b>	<b>0.0000</b>	<b>1,704.9189</b>	<b>1,704.9189</b>	<b>0.5394</b>		<b>1,718.4044</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.3 Site Preparation - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196
<b>Total</b>	<b>0.0400</b>	<b>0.0294</b>	<b>0.3857</b>	<b>9.7000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>97.0362</b>	<b>97.0362</b>	<b>3.3300e-003</b>		<b>97.1196</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6160	0.0000	4.6160	2.4934	0.0000	2.4934			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775		1,396.3909	1,396.3909	0.4418		1,407.4359
<b>Total</b>	<b>1.4197</b>	<b>16.0357</b>	<b>6.6065</b>	<b>0.0141</b>	<b>4.6160</b>	<b>0.7365</b>	<b>5.3525</b>	<b>2.4934</b>	<b>0.6775</b>	<b>3.1710</b>		<b>1,396.3909</b>	<b>1,396.3909</b>	<b>0.4418</b>		<b>1,407.4359</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.4 Grading - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196
<b>Total</b>	<b>0.0400</b>	<b>0.0294</b>	<b>0.3857</b>	<b>9.7000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>97.0362</b>	<b>97.0362</b>	<b>3.3300e-003</b>		<b>97.1196</b>

**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					1.8002	0.0000	1.8002	0.9724	0.0000	0.9724			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775	0.0000	1,396.3909	1,396.3909	0.4418		1,407.4359
<b>Total</b>	<b>1.4197</b>	<b>16.0357</b>	<b>6.6065</b>	<b>0.0141</b>	<b>1.8002</b>	<b>0.7365</b>	<b>2.5367</b>	<b>0.9724</b>	<b>0.6775</b>	<b>1.6500</b>	<b>0.0000</b>	<b>1,396.3909</b>	<b>1,396.3909</b>	<b>0.4418</b>		<b>1,407.4359</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.4 Grading - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196
<b>Total</b>	<b>0.0400</b>	<b>0.0294</b>	<b>0.3857</b>	<b>9.7000e-004</b>	<b>0.0894</b>	<b>7.7000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>7.1000e-004</b>	<b>0.0244</b>		<b>97.0362</b>	<b>97.0362</b>	<b>3.3300e-003</b>		<b>97.1196</b>

**3.5 Trenching - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4656	4.6747	4.6054	6.2100e-003		0.3121	0.3121		0.2871	0.2871		615.0837	615.0837	0.1946		619.9489
<b>Total</b>	<b>0.4656</b>	<b>4.6747</b>	<b>4.6054</b>	<b>6.2100e-003</b>		<b>0.3121</b>	<b>0.3121</b>		<b>0.2871</b>	<b>0.2871</b>		<b>615.0837</b>	<b>615.0837</b>	<b>0.1946</b>		<b>619.9489</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.5 Trenching - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0250	0.0184	0.2411	6.1000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		60.6476	60.6476	2.0800e-003		60.6997
<b>Total</b>	<b>0.0250</b>	<b>0.0184</b>	<b>0.2411</b>	<b>6.1000e-004</b>	<b>0.0559</b>	<b>4.8000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.4000e-004</b>	<b>0.0153</b>		<b>60.6476</b>	<b>60.6476</b>	<b>2.0800e-003</b>		<b>60.6997</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4656	4.6747	4.6054	6.2100e-003		0.3121	0.3121		0.2871	0.2871	0.0000	615.0837	615.0837	0.1946		619.9489
<b>Total</b>	<b>0.4656</b>	<b>4.6747</b>	<b>4.6054</b>	<b>6.2100e-003</b>		<b>0.3121</b>	<b>0.3121</b>		<b>0.2871</b>	<b>0.2871</b>	<b>0.0000</b>	<b>615.0837</b>	<b>615.0837</b>	<b>0.1946</b>		<b>619.9489</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.5 Trenching - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0250	0.0184	0.2411	6.1000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		60.6476	60.6476	2.0800e-003		60.6997
<b>Total</b>	<b>0.0250</b>	<b>0.0184</b>	<b>0.2411</b>	<b>6.1000e-004</b>	<b>0.0559</b>	<b>4.8000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.4000e-004</b>	<b>0.0153</b>		<b>60.6476</b>	<b>60.6476</b>	<b>2.0800e-003</b>		<b>60.6997</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846		2,018.0224	2,018.0224	0.3879		2,027.7210
<b>Total</b>	<b>2.2721</b>	<b>15.9802</b>	<b>13.4870</b>	<b>0.0220</b>		<b>0.9158</b>	<b>0.9158</b>		<b>0.8846</b>	<b>0.8846</b>		<b>2,018.0224</b>	<b>2,018.0224</b>	<b>0.3879</b>		<b>2,027.7210</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.6 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.0416	0.2764	2.3500e-003	0.0576	6.6400e-003	0.0643	0.0166	6.3500e-003	0.0229		250.9332	250.9332	0.0161		251.3352
Worker	0.1199	0.0881	1.1572	2.9200e-003	0.2683	2.3100e-003	0.2706	0.0711	2.1300e-003	0.0733		291.1087	291.1087	0.0100		291.3587
<b>Total</b>	<b>0.1573</b>	<b>1.1297</b>	<b>1.4336</b>	<b>5.2700e-003</b>	<b>0.3259</b>	<b>8.9500e-003</b>	<b>0.3348</b>	<b>0.0877</b>	<b>8.4800e-003</b>	<b>0.0962</b>		<b>542.0419</b>	<b>542.0419</b>	<b>0.0261</b>		<b>542.6938</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846	0.0000	2,018.0224	2,018.0224	0.3879		2,027.7210
<b>Total</b>	<b>2.2721</b>	<b>15.9802</b>	<b>13.4870</b>	<b>0.0220</b>		<b>0.9158</b>	<b>0.9158</b>		<b>0.8846</b>	<b>0.8846</b>	<b>0.0000</b>	<b>2,018.0224</b>	<b>2,018.0224</b>	<b>0.3879</b>		<b>2,027.7210</b>



Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.6 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.0416	0.2764	2.3500e-003	0.0576	6.6400e-003	0.0643	0.0166	6.3500e-003	0.0229		250.9332	250.9332	0.0161		251.3352
Worker	0.1199	0.0881	1.1572	2.9200e-003	0.2683	2.3100e-003	0.2706	0.0711	2.1300e-003	0.0733		291.1087	291.1087	0.0100		291.3587
<b>Total</b>	<b>0.1573</b>	<b>1.1297</b>	<b>1.4336</b>	<b>5.2700e-003</b>	<b>0.3259</b>	<b>8.9500e-003</b>	<b>0.3348</b>	<b>0.0877</b>	<b>8.4800e-003</b>	<b>0.0962</b>		<b>542.0419</b>	<b>542.0419</b>	<b>0.0261</b>		<b>542.6938</b>

**3.6 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688		2,001.1595	2,001.1595	0.3715		2,010.4467
<b>Total</b>	<b>2.0305</b>	<b>14.7882</b>	<b>13.1881</b>	<b>0.0220</b>		<b>0.7960</b>	<b>0.7960</b>		<b>0.7688</b>	<b>0.7688</b>		<b>2,001.1595</b>	<b>2,001.1595</b>	<b>0.3715</b>		<b>2,010.4467</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.6 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0320	0.9574	0.2508	2.3300e-003	0.0576	4.5100e-003	0.0621	0.0166	4.3100e-003	0.0209		249.3222	249.3222	0.0152		249.7026
Worker	0.1105	0.0786	1.0508	2.8300e-003	0.2683	2.2400e-003	0.2705	0.0711	2.0700e-003	0.0732		282.2671	282.2671	8.9000e-003		282.4896
<b>Total</b>	<b>0.1425</b>	<b>1.0359</b>	<b>1.3017</b>	<b>5.1600e-003</b>	<b>0.3259</b>	<b>6.7500e-003</b>	<b>0.3326</b>	<b>0.0877</b>	<b>6.3800e-003</b>	<b>0.0941</b>		<b>531.5893</b>	<b>531.5893</b>	<b>0.0241</b>		<b>532.1922</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688	0.0000	2,001.1595	2,001.1595	0.3715		2,010.4467
<b>Total</b>	<b>2.0305</b>	<b>14.7882</b>	<b>13.1881</b>	<b>0.0220</b>		<b>0.7960</b>	<b>0.7960</b>		<b>0.7688</b>	<b>0.7688</b>	<b>0.0000</b>	<b>2,001.1595</b>	<b>2,001.1595</b>	<b>0.3715</b>		<b>2,010.4467</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.6 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0320	0.9574	0.2508	2.3300e-003	0.0576	4.5100e-003	0.0621	0.0166	4.3100e-003	0.0209		249.3222	249.3222	0.0152		249.7026
Worker	0.1105	0.0786	1.0508	2.8300e-003	0.2683	2.2400e-003	0.2705	0.0711	2.0700e-003	0.0732		282.2671	282.2671	8.9000e-003		282.4896
<b>Total</b>	<b>0.1425</b>	<b>1.0359</b>	<b>1.3017</b>	<b>5.1600e-003</b>	<b>0.3259</b>	<b>6.7500e-003</b>	<b>0.3326</b>	<b>0.0877</b>	<b>6.3800e-003</b>	<b>0.0941</b>		<b>531.5893</b>	<b>531.5893</b>	<b>0.0241</b>		<b>532.1922</b>

**3.7 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328		1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9492</b>	<b>8.4514</b>	<b>8.8758</b>	<b>0.0135</b>		<b>0.4695</b>	<b>0.4695</b>		<b>0.4328</b>	<b>0.4328</b>		<b>1,296.9461</b>	<b>1,296.9461</b>	<b>0.4111</b>		<b>1,307.2246</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.7 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152
<b>Total</b>	<b>0.0598</b>	<b>0.0426</b>	<b>0.5692</b>	<b>1.5400e-003</b>	<b>0.1453</b>	<b>1.2100e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.1200e-003</b>	<b>0.0397</b>		<b>152.8947</b>	<b>152.8947</b>	<b>4.8200e-003</b>		<b>153.0152</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328	0.0000	1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9492</b>	<b>8.4514</b>	<b>8.8758</b>	<b>0.0135</b>		<b>0.4695</b>	<b>0.4695</b>		<b>0.4328</b>	<b>0.4328</b>	<b>0.0000</b>	<b>1,296.9461</b>	<b>1,296.9461</b>	<b>0.4111</b>		<b>1,307.2246</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.7 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152
<b>Total</b>	<b>0.0598</b>	<b>0.0426</b>	<b>0.5692</b>	<b>1.5400e-003</b>	<b>0.1453</b>	<b>1.2100e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.1200e-003</b>	<b>0.0397</b>		<b>152.8947</b>	<b>152.8947</b>	<b>4.8200e-003</b>		<b>153.0152</b>

**3.8 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.2190</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.8 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0164	0.2189	5.9000e-004	0.0559	4.7000e-004	0.0564	0.0148	4.3000e-004	0.0153		58.8056	58.8056	1.8500e-003		58.8520
<b>Total</b>	<b>0.0230</b>	<b>0.0164</b>	<b>0.2189</b>	<b>5.9000e-004</b>	<b>0.0559</b>	<b>4.7000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.3000e-004</b>	<b>0.0153</b>		<b>58.8056</b>	<b>58.8056</b>	<b>1.8500e-003</b>		<b>58.8520</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.2190</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**3.8 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0164	0.2189	5.9000e-004	0.0559	4.7000e-004	0.0564	0.0148	4.3000e-004	0.0153		58.8056	58.8056	1.8500e-003		58.8520
<b>Total</b>	<b>0.0230</b>	<b>0.0164</b>	<b>0.2189</b>	<b>5.9000e-004</b>	<b>0.0559</b>	<b>4.7000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>4.3000e-004</b>	<b>0.0153</b>		<b>58.8056</b>	<b>58.8056</b>	<b>1.8500e-003</b>		<b>58.8520</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	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
Unmitigated	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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N



Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
Unmitigated	0.0242	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004

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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0199					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>		<b>3.0000e-004</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0199					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.8000e-004	2.8000e-004	0.0000		3.0000e-004
<b>Total</b>	<b>0.0242</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>		<b>3.0000e-004</b>

**7.0 Water Detail**

## Mt. SAC Transit Center - Los Angeles-South Coast County, Summer

**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**Mt. SAC Transit Center**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.29	Acre	1.29	56,192.40	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Construction Phase - Project schedule provided by the engineer

Off-road Equipment -

Demolition -

Vehicle Trips -

Construction Off-road Equipment Mitigation -

Fleet Mix - Only buses

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	NumDays	200.00	101.00
tblConstructionPhase	NumDays	4.00	16.00
tblConstructionPhase	NumDays	10.00	31.00
tblConstructionPhase	NumDays	2.00	16.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblGrading	AcresOfGrading	6.00	1.50
tblGrading	AcresOfGrading	8.00	1.00

**2.0 Emissions Summary**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
5	6-22-2019	9-21-2019	0.3852	0.3852
6	9-22-2019	12-21-2019	0.5483	0.5483
7	12-22-2019	3-21-2020	0.5911	0.5911
8	3-22-2020	6-21-2020	0.2046	0.2046
		Highest	0.5911	0.5911

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4200e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2664	6.2664	2.6000e-004	5.0000e-005	6.2889
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>6.2665</b>	<b>6.2665</b>	<b>2.6000e-004</b>	<b>5.0000e-005</b>	<b>6.2889</b>



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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4200e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2664	6.2664	2.6000e-004	5.0000e-005	6.2889
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>6.2665</b>	<b>6.2665</b>	<b>2.6000e-004</b>	<b>5.0000e-005</b>	<b>6.2889</b>

	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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

## Mt. SAC Transit Center - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/8/2019	9/4/2019	5	20	
2	Site Preparation	Site Preparation	9/9/2019	9/30/2019	5	16	
3	Grading	Grading	10/1/2019	10/22/2019	5	16	
4	Trenching	Trenching	10/23/2019	11/6/2019	5	11	
5	Building Construction	Building Construction	11/7/2019	3/26/2020	5	101	
6	Paving	Paving	3/27/2020	5/9/2020	5	31	
7	Architectural Coating	Architectural Coating	5/11/2020	6/1/2020	5	16	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 1.29**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,372 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Mt. SAC Transit Center - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	226.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2019**

**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					0.0245	0.0000	0.0245	3.7100e-003	0.0000	3.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.2268	0.1489	2.4000e-004		0.0129	0.0129		0.0120	0.0120	0.0000	21.4161	21.4161	5.4500e-003	0.0000	21.5524
<b>Total</b>	<b>0.0230</b>	<b>0.2268</b>	<b>0.1489</b>	<b>2.4000e-004</b>	<b>0.0245</b>	<b>0.0129</b>	<b>0.0374</b>	<b>3.7100e-003</b>	<b>0.0120</b>	<b>0.0157</b>	<b>0.0000</b>	<b>21.4161</b>	<b>21.4161</b>	<b>5.4500e-003</b>	<b>0.0000</b>	<b>21.5524</b>

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**3.2 Demolition - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0700e-003	0.0358	7.6000e-003	9.0000e-005	1.9400e-003	1.3000e-004	2.0700e-003	5.3000e-004	1.2000e-004	6.6000e-004	0.0000	8.7991	8.7991	6.2000e-004	0.0000	8.8147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.4000e-004	5.9000e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3694	1.3694	5.0000e-005	0.0000	1.3705
<b>Total</b>	<b>1.7200e-003</b>	<b>0.0363</b>	<b>0.0135</b>	<b>1.1000e-004</b>	<b>3.3600e-003</b>	<b>1.4000e-004</b>	<b>3.5100e-003</b>	<b>9.1000e-004</b>	<b>1.3000e-004</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>10.1685</b>	<b>10.1685</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>10.1852</b>

**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					9.5500e-003	0.0000	9.5500e-003	1.4500e-003	0.0000	1.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.2268	0.1489	2.4000e-004		0.0129	0.0129		0.0120	0.0120	0.0000	21.4161	21.4161	5.4500e-003	0.0000	21.5524
<b>Total</b>	<b>0.0230</b>	<b>0.2268</b>	<b>0.1489</b>	<b>2.4000e-004</b>	<b>9.5500e-003</b>	<b>0.0129</b>	<b>0.0224</b>	<b>1.4500e-003</b>	<b>0.0120</b>	<b>0.0135</b>	<b>0.0000</b>	<b>21.4161</b>	<b>21.4161</b>	<b>5.4500e-003</b>	<b>0.0000</b>	<b>21.5524</b>

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**3.2 Demolition - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0700e-003	0.0358	7.6000e-003	9.0000e-005	1.9400e-003	1.3000e-004	2.0700e-003	5.3000e-004	1.2000e-004	6.6000e-004	0.0000	8.7991	8.7991	6.2000e-004	0.0000	8.8147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.4000e-004	5.9000e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3694	1.3694	5.0000e-005	0.0000	1.3705
<b>Total</b>	<b>1.7200e-003</b>	<b>0.0363</b>	<b>0.0135</b>	<b>1.1000e-004</b>	<b>3.3600e-003</b>	<b>1.4000e-004</b>	<b>3.5100e-003</b>	<b>9.1000e-004</b>	<b>1.3000e-004</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>10.1685</b>	<b>10.1685</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>10.1852</b>

**3.3 Site Preparation - 2019**

**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					0.0427	0.0000	0.0427	0.0232	0.0000	0.0232	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0137	0.1559	0.0631	1.4000e-004		7.0600e-003	7.0600e-003		6.4900e-003	6.4900e-003	0.0000	12.3734	12.3734	3.9100e-003	0.0000	12.4713
<b>Total</b>	<b>0.0137</b>	<b>0.1559</b>	<b>0.0631</b>	<b>1.4000e-004</b>	<b>0.0427</b>	<b>7.0600e-003</b>	<b>0.0497</b>	<b>0.0232</b>	<b>6.4900e-003</b>	<b>0.0297</b>	<b>0.0000</b>	<b>12.3734</b>	<b>12.3734</b>	<b>3.9100e-003</b>	<b>0.0000</b>	<b>12.4713</b>

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**3.3 Site Preparation - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.7000e-004	2.9100e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6742	0.6742	2.0000e-005	0.0000	0.6747
<b>Total</b>	<b>3.2000e-004</b>	<b>2.7000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>7.0000e-004</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6742</b>	<b>0.6742</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6747</b>

**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					0.0167	0.0000	0.0167	9.0600e-003	0.0000	9.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0137	0.1559	0.0631	1.4000e-004		7.0600e-003	7.0600e-003		6.4900e-003	6.4900e-003	0.0000	12.3734	12.3734	3.9100e-003	0.0000	12.4713
<b>Total</b>	<b>0.0137</b>	<b>0.1559</b>	<b>0.0631</b>	<b>1.4000e-004</b>	<b>0.0167</b>	<b>7.0600e-003</b>	<b>0.0237</b>	<b>9.0600e-003</b>	<b>6.4900e-003</b>	<b>0.0156</b>	<b>0.0000</b>	<b>12.3734</b>	<b>12.3734</b>	<b>3.9100e-003</b>	<b>0.0000</b>	<b>12.4713</b>

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**3.3 Site Preparation - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.7000e-004	2.9100e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6742	0.6742	2.0000e-005	0.0000	0.6747
<b>Total</b>	<b>3.2000e-004</b>	<b>2.7000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>7.0000e-004</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6742</b>	<b>0.6742</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6747</b>

**3.4 Grading - 2019**

**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					0.0369	0.0000	0.0369	0.0200	0.0000	0.0200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1283	0.0529	1.1000e-004		5.8900e-003	5.8900e-003		5.4200e-003	5.4200e-003	0.0000	10.1343	10.1343	3.2100e-003	0.0000	10.2144
<b>Total</b>	<b>0.0114</b>	<b>0.1283</b>	<b>0.0529</b>	<b>1.1000e-004</b>	<b>0.0369</b>	<b>5.8900e-003</b>	<b>0.0428</b>	<b>0.0200</b>	<b>5.4200e-003</b>	<b>0.0254</b>	<b>0.0000</b>	<b>10.1343</b>	<b>10.1343</b>	<b>3.2100e-003</b>	<b>0.0000</b>	<b>10.2144</b>



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**3.4 Grading - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.7000e-004	2.9100e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6742	0.6742	2.0000e-005	0.0000	0.6747
<b>Total</b>	<b>3.2000e-004</b>	<b>2.7000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>7.0000e-004</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6742</b>	<b>0.6742</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6747</b>

**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					0.0144	0.0000	0.0144	7.7800e-003	0.0000	7.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1283	0.0529	1.1000e-004		5.8900e-003	5.8900e-003		5.4200e-003	5.4200e-003	0.0000	10.1343	10.1343	3.2100e-003	0.0000	10.2144
<b>Total</b>	<b>0.0114</b>	<b>0.1283</b>	<b>0.0529</b>	<b>1.1000e-004</b>	<b>0.0144</b>	<b>5.8900e-003</b>	<b>0.0203</b>	<b>7.7800e-003</b>	<b>5.4200e-003</b>	<b>0.0132</b>	<b>0.0000</b>	<b>10.1343</b>	<b>10.1343</b>	<b>3.2100e-003</b>	<b>0.0000</b>	<b>10.2144</b>

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**3.4 Grading - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.7000e-004	2.9100e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6742	0.6742	2.0000e-005	0.0000	0.6747
<b>Total</b>	<b>3.2000e-004</b>	<b>2.7000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>7.0000e-004</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6742</b>	<b>0.6742</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6747</b>

**3.5 Trenching - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5600e-003	0.0257	0.0253	3.0000e-005		1.7200e-003	1.7200e-003		1.5800e-003	1.5800e-003	0.0000	3.0690	3.0690	9.7000e-004	0.0000	3.0932
<b>Total</b>	<b>2.5600e-003</b>	<b>0.0257</b>	<b>0.0253</b>	<b>3.0000e-005</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>		<b>1.5800e-003</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>3.0690</b>	<b>3.0690</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>3.0932</b>

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**3.5 Trenching - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.2500e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2897	0.2897	1.0000e-005	0.0000	0.2899
<b>Total</b>	<b>1.4000e-004</b>	<b>1.1000e-004</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2897</b>	<b>0.2897</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2899</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5600e-003	0.0257	0.0253	3.0000e-005		1.7200e-003	1.7200e-003		1.5800e-003	1.5800e-003	0.0000	3.0690	3.0690	9.7000e-004	0.0000	3.0932
<b>Total</b>	<b>2.5600e-003</b>	<b>0.0257</b>	<b>0.0253</b>	<b>3.0000e-005</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>		<b>1.5800e-003</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>3.0690</b>	<b>3.0690</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>3.0932</b>

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**3.5 Trenching - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.2500e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2897	0.2897	1.0000e-005	0.0000	0.2899
<b>Total</b>	<b>1.4000e-004</b>	<b>1.1000e-004</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2897</b>	<b>0.2897</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2899</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.3116	0.2630	4.3000e-004		0.0179	0.0179		0.0173	0.0173	0.0000	35.6990	35.6990	6.8600e-003	0.0000	35.8706
<b>Total</b>	<b>0.0443</b>	<b>0.3116</b>	<b>0.2630</b>	<b>4.3000e-004</b>		<b>0.0179</b>	<b>0.0179</b>		<b>0.0173</b>	<b>0.0173</b>	<b>0.0000</b>	<b>35.6990</b>	<b>35.6990</b>	<b>6.8600e-003</b>	<b>0.0000</b>	<b>35.8706</b>

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**3.6 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4000e-004	0.0207	5.6700e-003	5.0000e-005	1.1100e-003	1.3000e-004	1.2400e-003	3.2000e-004	1.2000e-004	4.4000e-004	0.0000	4.3886	4.3886	2.9000e-004	0.0000	4.3960
Worker	2.3400e-003	1.9500e-003	0.0213	5.0000e-005	5.1300e-003	5.0000e-005	5.1700e-003	1.3600e-003	4.0000e-005	1.4000e-003	0.0000	4.9297	4.9297	1.7000e-004	0.0000	4.9340
<b>Total</b>	<b>3.0800e-003</b>	<b>0.0227</b>	<b>0.0269</b>	<b>1.0000e-004</b>	<b>6.2400e-003</b>	<b>1.8000e-004</b>	<b>6.4100e-003</b>	<b>1.6800e-003</b>	<b>1.6000e-004</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>9.3183</b>	<b>9.3183</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>9.3299</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.3116	0.2630	4.3000e-004		0.0179	0.0179		0.0173	0.0173	0.0000	35.6990	35.6990	6.8600e-003	0.0000	35.8706
<b>Total</b>	<b>0.0443</b>	<b>0.3116</b>	<b>0.2630</b>	<b>4.3000e-004</b>		<b>0.0179</b>	<b>0.0179</b>		<b>0.0173</b>	<b>0.0173</b>	<b>0.0000</b>	<b>35.6990</b>	<b>35.6990</b>	<b>6.8600e-003</b>	<b>0.0000</b>	<b>35.8706</b>

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**3.6 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4000e-004	0.0207	5.6700e-003	5.0000e-005	1.1100e-003	1.3000e-004	1.2400e-003	3.2000e-004	1.2000e-004	4.4000e-004	0.0000	4.3886	4.3886	2.9000e-004	0.0000	4.3960
Worker	2.3400e-003	1.9500e-003	0.0213	5.0000e-005	5.1300e-003	5.0000e-005	5.1700e-003	1.3600e-003	4.0000e-005	1.4000e-003	0.0000	4.9297	4.9297	1.7000e-004	0.0000	4.9340
<b>Total</b>	<b>3.0800e-003</b>	<b>0.0227</b>	<b>0.0269</b>	<b>1.0000e-004</b>	<b>6.2400e-003</b>	<b>1.8000e-004</b>	<b>6.4100e-003</b>	<b>1.6800e-003</b>	<b>1.6000e-004</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>9.3183</b>	<b>9.3183</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>9.3299</b>

**3.6 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0630	0.4584	0.4088	6.8000e-004		0.0247	0.0247		0.0238	0.0238	0.0000	56.2781	56.2781	0.0105	0.0000	56.5392
<b>Total</b>	<b>0.0630</b>	<b>0.4584</b>	<b>0.4088</b>	<b>6.8000e-004</b>		<b>0.0247</b>	<b>0.0247</b>		<b>0.0238</b>	<b>0.0238</b>	<b>0.0000</b>	<b>56.2781</b>	<b>56.2781</b>	<b>0.0105</b>	<b>0.0000</b>	<b>56.5392</b>

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**3.6 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0302	8.1800e-003	7.0000e-005	1.7600e-003	1.4000e-004	1.9000e-003	5.1000e-004	1.3000e-004	6.4000e-004	0.0000	6.9311	6.9311	4.4000e-004	0.0000	6.9421
Worker	3.4300e-003	2.7700e-003	0.0306	8.0000e-005	8.1500e-003	7.0000e-005	8.2200e-003	2.1700e-003	6.0000e-005	2.2300e-003	0.0000	7.5989	7.5989	2.4000e-004	0.0000	7.6048
<b>Total</b>	<b>4.4400e-003</b>	<b>0.0330</b>	<b>0.0388</b>	<b>1.5000e-004</b>	<b>9.9100e-003</b>	<b>2.1000e-004</b>	<b>0.0101</b>	<b>2.6800e-003</b>	<b>1.9000e-004</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>14.5299</b>	<b>14.5299</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>14.5469</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0630	0.4584	0.4088	6.8000e-004		0.0247	0.0247		0.0238	0.0238	0.0000	56.2780	56.2780	0.0105	0.0000	56.5392
<b>Total</b>	<b>0.0630</b>	<b>0.4584</b>	<b>0.4088</b>	<b>6.8000e-004</b>		<b>0.0247</b>	<b>0.0247</b>		<b>0.0238</b>	<b>0.0238</b>	<b>0.0000</b>	<b>56.2780</b>	<b>56.2780</b>	<b>0.0105</b>	<b>0.0000</b>	<b>56.5392</b>

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**3.6 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0302	8.1800e-003	7.0000e-005	1.7600e-003	1.4000e-004	1.9000e-003	5.1000e-004	1.3000e-004	6.4000e-004	0.0000	6.9311	6.9311	4.4000e-004	0.0000	6.9421
Worker	3.4300e-003	2.7700e-003	0.0306	8.0000e-005	8.1500e-003	7.0000e-005	8.2200e-003	2.1700e-003	6.0000e-005	2.2300e-003	0.0000	7.5989	7.5989	2.4000e-004	0.0000	7.6048
<b>Total</b>	<b>4.4400e-003</b>	<b>0.0330</b>	<b>0.0388</b>	<b>1.5000e-004</b>	<b>9.9100e-003</b>	<b>2.1000e-004</b>	<b>0.0101</b>	<b>2.6800e-003</b>	<b>1.9000e-004</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>14.5299</b>	<b>14.5299</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>14.5469</b>

**3.7 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0130	0.1310	0.1376	2.1000e-004		7.2800e-003	7.2800e-003		6.7100e-003	6.7100e-003	0.0000	18.2368	18.2368	5.7800e-003	0.0000	18.3814
Paving	1.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0147</b>	<b>0.1310</b>	<b>0.1376</b>	<b>2.1000e-004</b>		<b>7.2800e-003</b>	<b>7.2800e-003</b>		<b>6.7100e-003</b>	<b>6.7100e-003</b>	<b>0.0000</b>	<b>18.2368</b>	<b>18.2368</b>	<b>5.7800e-003</b>	<b>0.0000</b>	<b>18.3814</b>



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**3.7 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	7.5000e-004	8.2900e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	2.0000e-005	6.0000e-004	0.0000	2.0580	2.0580	6.0000e-005	0.0000	2.0596
<b>Total</b>	<b>9.3000e-004</b>	<b>7.5000e-004</b>	<b>8.2900e-003</b>	<b>2.0000e-005</b>	<b>2.2100e-003</b>	<b>2.0000e-005</b>	<b>2.2300e-003</b>	<b>5.9000e-004</b>	<b>2.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>2.0580</b>	<b>2.0580</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.0596</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0130	0.1310	0.1376	2.1000e-004		7.2800e-003	7.2800e-003		6.7100e-003	6.7100e-003	0.0000	18.2368	18.2368	5.7800e-003	0.0000	18.3813
Paving	1.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0147</b>	<b>0.1310</b>	<b>0.1376</b>	<b>2.1000e-004</b>		<b>7.2800e-003</b>	<b>7.2800e-003</b>		<b>6.7100e-003</b>	<b>6.7100e-003</b>	<b>0.0000</b>	<b>18.2368</b>	<b>18.2368</b>	<b>5.7800e-003</b>	<b>0.0000</b>	<b>18.3813</b>

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**3.7 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	7.5000e-004	8.2900e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	2.0000e-005	6.0000e-004	0.0000	2.0580	2.0580	6.0000e-005	0.0000	2.0596
<b>Total</b>	<b>9.3000e-004</b>	<b>7.5000e-004</b>	<b>8.2900e-003</b>	<b>2.0000e-005</b>	<b>2.2100e-003</b>	<b>2.0000e-005</b>	<b>2.2300e-003</b>	<b>5.9000e-004</b>	<b>2.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>2.0580</b>	<b>2.0580</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.0596</b>

**3.8 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9400e-003	0.0135	0.0147	2.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	2.0426	2.0426	1.6000e-004	0.0000	2.0466
<b>Total</b>	<b>9.7500e-003</b>	<b>0.0135</b>	<b>0.0147</b>	<b>2.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.0426</b>	<b>2.0426</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.0466</b>

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**3.8 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
<b>Total</b>	<b>1.8000e-004</b>	<b>1.5000e-004</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.4085</b>	<b>0.4085</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4089</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9400e-003	0.0135	0.0147	2.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	2.0426	2.0426	1.6000e-004	0.0000	2.0466
<b>Total</b>	<b>9.7500e-003</b>	<b>0.0135</b>	<b>0.0147</b>	<b>2.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.0426</b>	<b>2.0426</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.0466</b>

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**3.8 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
<b>Total</b>	<b>1.8000e-004</b>	<b>1.5000e-004</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.4085</b>	<b>0.4085</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4089</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N



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**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	19667.3	6.2664	2.6000e-004	5.0000e-005	6.2889
<b>Total</b>		<b>6.2664</b>	<b>2.6000e-004</b>	<b>5.0000e-005</b>	<b>6.2889</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	19667.3	6.2664	2.6000e-004	5.0000e-005	6.2889
<b>Total</b>		<b>6.2664</b>	<b>2.6000e-004</b>	<b>5.0000e-005</b>	<b>6.2889</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4200e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	4.4200e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005



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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>4.4100e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>4.4100e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Mt. SAC Transit Center - Los Angeles-South Coast County, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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

Mt. SAC Transit Center - Los Angeles-South Coast County, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

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**APPENDIX B**  
**CULTURAL AND TRIBAL RESOURCES STUDY**

August 9, 2018

Gary Gidcumb  
Mt. San Antonio College  
1100 North Grand Avenue  
Walnut, California 91789

VIA EMAIL  
GGidcumb@mtsac.edu

Subject: Cultural and Tribal Cultural Resources Study for the Mt. San Antonio College Transit Center Project, Walnut, Los Angeles County, California

Dear Mr. Gidcumb:

This Technical Memo summarizes the Cultural and Tribal Cultural Resources Study that was conducted for the Mt. San Antonio College (“Mt. SAC”) Transit Center Project (hereinafter referred to as “Project”).

### PROJECT UNDERTAKING

The undertaking involves construction of an approximately ten-bus bay transit center for Foothill Transit to accommodate student and local ridership and allow for safer rider access to the Foothill Transit buses. Project features may also include installation of electric charging stations, security surveillance, shelters, landscaping, construction of an elevator to access the campus to the north, and roadway and signal improvements within the public right-of-way. According to the Facilities Master Plan Update (“FMPU”) and Physical Education Projects (“PEP”) Subsequent Program/Project Environmental Impact Report (“EIR”), three contributing resources (List buildings) to the Mt. SAC Historic District (P-186869), which was previously recommended as eligible for the California Register of Historic Resources (“CRHR”), are located proximate to the project site.

Therefore, this document has been prepared for compliance with Section 15064.5 of the California Environmental Quality Act (“CEQA”) Guidelines and to satisfy Section 106 of the National Historic Preservation Act, with respect to the identification and preservation of cultural resources. According to the *Code of Federal Regulations* (CFR, Title 40, Section 1506.4, Combining documents), “Any environmental document in compliance with NEPA [National Environmental Policy Act] may be combined with any other agency document to reduce duplication and paperwork”. Therefore, the format of this report follows an amended version of the Office of Historic Preservation’s (“OHP’s”) *Archaeological Resource Management Reports (ARMR): Recommended Contents and Format* (Office of Historic Preservation 1990) to meet both CEQA and NEPA requirements.

### AREA OF POTENTIAL EFFECT DESCRIPTION

The Area of Potential Effect (“APE”) was determined through reviews of project plans and consultation with the project proponent.

225 South Lake Avenue  
Suite 1000  
Pasadena, CA 91101

Tel 626.351.2000  
Fax 626.351.2030  
[www.Psomas.com](http://www.Psomas.com)



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## REGULATORY SETTING

Cultural resource laws, regulations, and guidelines set up the processes for defining what is or is not a significant cultural resource and include various agency procedures for managing these archaeological resources and assessing the information from the cultural remains to determine their significance. Most important is whether these cultural remains are eligible for inclusion in a national or state register (i.e., the National Register of Historic Places [“NRHP”] and CRHR). As defined by archaeologists Thomas Neumann and Robert Sanford (2001: 27), the laws and regulations serve to do the following:

- Set forth the criteria for assessing the relative importance of cultural remains
- Outline the procedures for reviewing assessments
- Delineate the responsible parties involved in making such assessments
- Identify and then define the extent of jurisdiction and responsibility of each party in the evaluation process
- Set forth the criteria for making a determination of significance, as well as indicating which party can or cannot make such determinations
- Set forth the criteria for the archaeological and historic preservation work performed
- Set forth the criteria regarding who can perform the archaeological and historic preservation work

A summary of both federal and state laws, regulations, and standards that govern cultural resource management within the project’s APE is provided below.

### **Federal Regulatory Setting**

#### ***Section 106 of the National Historic Preservation Act***

Section 106 of the National Historic Preservation Act (“NHPA”) of 1966, as amended, as required by the Advisory Council on Historic Preservation (“ACHP”), and with regulations contained in 36 *Code of Federal Regulations* (“CFR”) Part 800, requires that federal agencies consider the effects of proposed projects on historic properties as part of the environmental assessment process.

Section 106 of the NHPA defines “historic properties” as follows (36 CFR Part 800, Protection of Historic Properties; Section 800.16[I][1], Definitions):

Any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria.

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According to 36 CFR 60.4, a resource may be considered *historically significant* if it retains integrity and meets at least one of the following criteria. A property may be eligible for the NRHP if the resource:

- A. is associated with events that have made a significant contribution to the broad patterns of our history;
- B. is associated with the lives of persons significant in our past;
- C. embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction; or
- D. has yielded, or may be likely to yield, information important in prehistory or history.

For a property to be listed in the NRHP, it must meet one or more of the criteria of significance, and it must also retain integrity. The National Park Service's (1995) *How to Apply the National Register Criteria* recognizes seven aspects or qualities that, in various combinations, define integrity. The seven aspects of integrity are described below:

- **Location:** Location is the place where the historic property was constructed or the place where the historic event occurred.
- **Design:** Design is the combination of elements that create the form, plan, space, structure, and style of a property.
- **Setting:** Setting is the physical environment of a historic property.
- **Materials:** Materials are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.
- **Workmanship:** Workmanship is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
- **Feeling:** Feeling is a property's expression of the aesthetic or historic sense of a particular period of time.
- **Association:** Association is the direct link between an important historic event or person and a historic property.

The steps in evaluating integrity are further described by the National Park Service (1995) as:

- Define the essential physical features that must be present for a property to represent its significance;
- Determine whether the essential physical features are visible enough to convey their significance;
- Determine whether the property needs to be compared with similar properties; and
- Determine, based on the significance and essential physical features, which aspects of integrity are particularly vital to the property being nominated and if they are present.

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### *Native American Graves and Repatriation Act*

The Native American Graves and Repatriation Act (“NAGPRA”) established a means for Native Americans, including Indian Tribes, to request the return of human remains and other sensitive cultural items held by federal agencies or federally assisted museums or institutions. NAGPRA also contains provisions regarding the intentional excavation and removal of, inadvertent discovery of, and illegal trafficking in Native American human remains and sensitive cultural items.

### **State Regulatory Setting**

#### *California Register of Historical Resources*

The California Environmental Quality Act (“CEQA”) requires a lead agency to determine whether a project would have a significant effect on one or more historical resources. According to Section 15064.5(a) of the State CEQA Guidelines, a “historical resource” is defined as a resource listed in or determined to be eligible for listing in the CRHR (*California Public Resources Code* [“PRC”] Section 21084.1); a resource included in a local register of historical resources (*California Code of Regulations* [“CCR”], Title 14, Section 15064.5[a][2]); or any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (14 CCR 15064.5[a][3]).

Section 5024.1 of the PRC, Section 15064.5 of the State CEQA Guidelines (CCR, Title 14, Chapter 3, Sections 15000–15387), and Sections 21083.2 and 21084.1 of the CEQA (PRC, Sections 21000-21189) were used as the basic guidelines for the cultural resources study. PRC Section 5024.1 requires an evaluation of historical resources to determine their eligibility for listing in the CRHR. The purpose of the CRHR is to maintain listings of the State’s historical resources and to indicate which properties are to be protected from substantial adverse change. The criteria for listing resources in the CRHR, which were expressly developed to be in accordance with previously established criteria developed for listing in the NRHP (per the criteria listed at 36 CFR 60.4), are stated below.

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and that:

- (1) Are associated with events that have made a significant contribution to the broad patterns of our history; or
- (2) Are associated with the lives of persons significant in our past; or
- (3) Embody the distinctive characteristics of a type, period, or method of installation, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- (4) Have yielded, or may be likely to yield, information important in prehistory or history.

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According to Section 15064.5(a)(3) (A–D) of the State CEQA Guidelines, a resource is considered historically significant if it meets the criteria for listing in the NRHP (as stated above) in addition to the CRHR. Impacts that affect those characteristics of the resource that qualify it for the NRHP or that would adversely alter the significance of a resource listed in or eligible for listing in the CRHR are considered to have a significant effect on the environment. Impacts to cultural resources from the proposed Project are thus considered significant if the Project: (1) physically destroys or damages all or part of a resource; (2) changes the character of the use of the resource or physical feature within the setting of the resource that contributes to its significance; or (3) introduces visual, atmospheric, or audible elements that diminish the integrity of significant features of the resource.

The purpose of a cultural resources investigation is to evaluate whether any cultural resources remain exposed on the surface of the project site or can reasonably be expected to exist in the subsurface. If resources are discovered, management recommendations would be required for evaluation of the resources for CRHR eligibility.

### ***Senate Bill 18***

Senate Bill (“SB”) 18 (*California Government Code*, Section 65352.3) incorporates the protection of California traditional tribal cultural places into land use planning for cities, counties, and agencies by establishing responsibilities for local governments to contact, refer plans to, and consult with California Native American tribes as part of the adoption or amendment of any General Plan or Specific Plan proposed on or after March 1, 2005. No General Plan or Specific Plan amendment or adoption is required for the Project; therefore, formal consultation under SB 18 is not necessary.

### ***Assembly Bill 52***

Assembly Bill (“AB”) 52 (Chapter 532, Statutes of 2014), which became effective on July 1, 2015, requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated with the geographic area of a proposed project, if they have requested such notice in writing. Once Native American tribes receive a project notification, they have 30 days to respond as to whether they wish to initiate consultation regarding the project, including subjects such as mitigation for any potential project impacts to tribal cultural resources. A tribal cultural resource is defined as either a site, feature, place, cultural landscape that is geographically defined in terms of size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is eligible for the CRHR or a local historic register. If a tribe requests consultation and the lead agency and the tribe ultimately agree on mitigation to address any potentially significant impacts to tribal cultural resources, the mitigation measures agreed upon during consultation must be recommended for inclusion in the environmental document. Mt. SAC will conduct the required AB 52 consultations.

### ***Human Remains***

Section 7050.5 of the *California Health and Safety Code* provides for the disposition of accidentally discovered human remains. Section 7050.5 states that, if human remains are found, no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined the appropriate treatment and disposition of the human remains.

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Section 5097.98 of the PRC states that, if remains are determined by the Coroner to be of Native American origin, the Coroner must notify the NAHC within 24 hours. The NAHC, in turn, must identify the person or persons it believes to be the most likely descendant of the deceased Native American. The descendant shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.

## **METHODS AND RESULTS**

### **South Central Coastal Information Center Records Search**

In 2016, ASM Affiliates, Inc. requested that the South Central Coastal Informational Center (“SCCIC”) conduct an archival records search for the Mt. SAC FMPU and PEP Program EIR. The SCCIC is a designated branch of the California Historical Resources Information System and houses records regarding archaeological and historic resources recorded in San Bernardino, Los Angeles, Orange, and Ventura Counties. The review consisted of an examination of the U.S. Geological Survey’s 7.5-minute San Dimas Quadrangle. The results of the records search determined that nine cultural resource inventories and/or research projects have occurred within a ½-mile radius of the Mt. SAC campus. The review also identified several structures contributing to the Mt. SAC Historic District. No prehistoric cultural resources were identified from the records search.

A subsequent records search was conducted by Psomas Archaeologist Kassie Sugimoto in 2018 at the SCCIC to assist with the pedestrian survey of the Project’s APE. The results of the 2018 archival records search are presented below.

### ***Past Studies***

The 2018 records search and literature review conducted for the proposed Project revealed that 15 cultural resource studies (Table 1) have been conducted within ½ mile of the APE; none of the studies included the APE. The studies consisted primarily of block archaeological surveys and several linear surveys. The closest studies were conducted a short distance north and south of the Project site. The remaining 13 cultural resources studies were located to the south, southeast, southwest, north, northeast, and northwest of the Project area and are all within ½-mile of the Project APE.

**TABLE 1  
 CULTURAL RESOURCE STUDIES WITHIN ½- MILE OF THE PROJECT AREA**

<b>Report No.</b>	<b>Author(s) (Year)</b>	<b>Title of Study</b>
LA-00342	Taylor, T.T. (1978)	Report of the Archaeological Survey of Five Possible Steel Tank Reservoir Sites and Pipe Routes for the Walnut Valley Water District
LA-00481	Horn, V.H. and M. David (1979)	Archaeological Survey Report: a Parcel Located in the City of Walnut in the County of Los Angeles, California
LA-00836	Cottrell, M.G. (1977)	Letter Report to Ronal Martin & Associated, Inc.
LA-01268	Mason, R.D. & N.W. Desautels (1983)	Archaeological Survey Report and Records Search on Proposed Revised Tract 32158 in the City of Walnut, Los Angeles County, California
LA-01346	Brock, J.P. (1984)	Archaeological Assessment Report for Proposed Sanitary Landfill Expansion Adjacent to the Spadra Landfill Los Angeles County (140 +/- Total Acres)
LA-01392	Anonymous (1980)	Archaeological Assessment and Test Report on LAN-1070, LAN-1071, and LAN-1072 Located on Tt 36682 in the City of Walnut, California
LA-02135	Mason, R.D. (1990)	Cultural Resources Survey Report on a 25 Acre Parcel in the City of Walnut, Los Angeles County, California
LA-03835	Cottrell, M.G. (1979)	Records Search and an Archaeological Survey for the 400 Acre Parcel Designated South Ranch, City of Walnut, Los Angeles County, California
LA-04337	Anonymous (1979)	Cultural Resources Report T.t. 36682 Located in the City of Walnut, California
LA-05644	Duke, C. (2002)	Cultural Resource Assessment: Cingular Wireless Facility No. Vy-130-02 Los Angeles County, California
LA-05646	Duke, C. (2001)	Cultural Resource Assessment: Cingular Wireless Facility No. Vy-130-01 Los Angeles County, California
LA-05648	Strudwick, I.H. (2000)	Results of a Cultural Resource Survey of the 315 Acre Forest Lawn Memorial Park, Covina Hills, Los Angeles County, California
LA-06262	Duke, C. (2002)	Cultural Resource Assessment Cingular Wireless Facility No. Vy-130-04 Los Angeles County, California
LA-08249	Peterson, P.A. (2002)	Cultural Resources Records Search and Survey Report for the Reclaimed Water Backbone Transmission Project, Los Angeles County, California
LA-10043	Strudwick, I.H. (2000)	Results of a Cultural Resource Survey of the 315 Acre Forest Lawn Memorial Park, Covina Hills, Los Angeles County, California
Source: SCCIC 2018.		

***Previously Recorded Cultural Resources***

As a result of the records search, a single resource is located within the ½-mile search radius, which is the Mt. SAC Historic District (P-19-186869). The district is defined as not eligible for the NRHP; however, it is recommended as eligible for the CRHR. None of the contributing resources are located within the APE, and none will be impacted from project-related activities.

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### **Native American Heritage Commission Sacred Lands File Search**

On March 22, 2018, Psomas sent a request to the California Native American Heritage Commission (NAHC) for a review of their Sacred Lands File (“SLF”) within or near the APE. On March 23, 2018, the NAHC provided Psomas with the results of their review and a list of tribal groups and representatives affiliated with the project site. A review of the NAHC SLF failed to indicate the presence of Native American traditional sites/places within the APE or the half-mile buffer surrounding the site. However, The NAHC did note that the absence of archaeological features and Native American cultural resources does not preclude their existence at the subsurface level and recommended outreach to the tribes listed on the contact list. Each of the tribal representatives was mailed an informal letter on June 25, 2018, describing the project and requesting any information regarding resources that may exist on or near the APE. To date, no responses have received from the tribes and individuals contacted. The results of the NAHC SLF and correspondence is available in Attachment B of this study.

### **Natural History Museum of Los Angeles County Paleontological Records Search**

The paleontological records search was conducted by Dr. Samuel McLeod from the Natural History Museum (“NHM”) of Los Angeles County on April 5, 2018. The paleontological records search for the NHM of Los Angeles County revealed that the APE is composed of younger Quaternary Alluvium, derived as alluvial fan deposits from the San Jose Hills immediately to the north. The younger Quaternary alluvial deposits are not likely to contain significant vertebrate fossils; however, deeper excavations within the APE may encounter significant fossils. No fossil localities that lie within the APE were found during the NHM records search, although many nearby have been recorded from older Quaternary sediments. Los Angeles County Museum (“LACM”) 1652, along Rio Vista Avenue south of Lincoln Avenue just north-northeast of the APE, produced a fossil specimen of *Ovis* (sheep). The next closest fossil locality is LACM 8014, east-southeast of the proposed APE in the northeastern Puente Hills just southwest of the intersection of the Riverside Freeway (State Route 60) and the Corona Freeway (State Route 71), that produced a fossil specimen of bison, *Bison*. A little farther to the east-southeast from the proposed APE, in English Canyon west of Chino, the Quaternary locality LACM 1728 produced fossil specimens of horse, *Equus*, and camel, *Camelops*, at a depth of 15 to 20 feet below the surface.

In the surrounding elevated terrain there are exposures of the marine late Miocene Puente Formation, also sometimes considered to be part of the Monterey Formation in this area, with the youngest member of the Puente Formation referred to as the Sycamore Canyon Formation. The closest vertebrate fossil locality from the Puente Formation is LACM 6171, due west of the proposed APE in the hills on the west side of Collegewood Drive, that produced a fossil fish specimen of herring, *Ganolytes*. The next closest fossil vertebrate locality from the Puente Formation is LACM 7153, just south east of the proposed APE south of Temple Avenue and west of Valley Boulevard, that produced many specimens of fossil pipefish including the holotype (name-bearing specimen of a species new to science) of the pipefish *Syngnathus emeritus*, published by R. A. Fritzsche (1980). Further to the southeast of the APE, in Diamond Bar south and west of the intersection of the Pomona Freeway (State Route 60) and the Orange Freeway (State Route 57), the Puente Formation locality LACM 7190 produced a fauna of fossil fish including deep sea smelts, Bathylagidae; lantern fish, Myctophidae; jacks, Carangidae; and herrings, *Ganolytes* and *Etringus*.

### **PEDESTRIAN SURVEY**

On April 6, 2018, Senior Archaeologist Charles Cisneros conducted an intensive pedestrian archaeological survey of the Project APE, encompassing all areas where ground disturbance is proposed. The entire APE has been developed, with ground surfaces obscured by sidewalks, parking lots (Figure 1), and introduced landscaping (Figure 2). The pedestrian survey failed to identify archaeological artifacts,

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features, or deposits within the Project APE. None of the contributing resources related to the Mt. SAC Historic District are located within the Project APE.



**Figure 1: Parking Lot within the Project APE**



**Figure 2: Introduced Landscaping within the Project APE**



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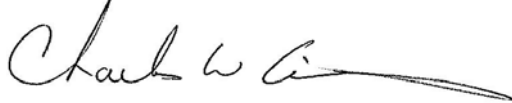
**EFFECTS ANALYSIS AND RECOMMENDATIONS**

This effects analysis is provided to assist the lead agency in fulfilling its compliance responsibilities under NEPA. Section 106 of the NHPA and its implementing regulations at 36 CFR Part 800 were used to identify historic properties within the APE. The results of the 2018 field study failed to identify cultural resources: more specifically, prehistoric and historic archaeological resources within the APE. Additionally, none of the contributing resources related to the Mt. SAC Historic District are located within the APE, and none will be impacted from project-related activities. Given the results of previous studies conducted within the vicinity of the APE, the negative pedestrian field survey, and the degree of modern disturbance within the APE, it is anticipated that Project activities within the APE will not encounter cultural resources; however, there is always the possibility that intact cultural resources may be present in native sediments. Therefore, Psomas recommends the retention of an archaeologist prior to ground-disturbing activities occurring within native sediments. If cultural resources or human remains are discovered during any ground-disturbing activities, the lead federal agency will be notified by either the project archaeologist or the Mt. SAC on-site personnel. All work within the vicinity of the discovery will cease until the federal agency evaluates the nature and significance of the find and determines the level of documentation necessary and potential consultation required with the NAHC, State Historic Preservation Officer (“SHPO”), Native American tribes, and any others. In the case of an inadvertent discovery of Human Remains, the proponent will immediately notify the responsible federal official and County Coroner and, once determined to be of Native American origin by the coroner, the Native American Graves Protection and Repatriation ACT (“NAGPRA”) and its implementing regulations at 43 CFR 10 will be followed to manage and resolve the discovery and determine the final disposition of the remains.

If you have any questions, you can reach me at (626) 204-6520 or Charles.Cisneros@Psomas.com.

Sincerely,

**P S O M A S**



Charles Cisneros  
Senior Project Manager, Senior Archaeologist

- Attachments: 1 – SCCIC Results  
2 – NAHC Correspondence  
3 – NHM Results

cc: Jennifer Marks, Psomas

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**REFERENCES**

National Park Service's (1995) How to Apply the National Register Criteria

Neumann, Thomas, and Robert Sanford (2001: 27)

**ATTACHMENT 1**

**SOUTH CENTRAL COASTAL INFORMATION CENTER RESULTS**

## Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-00342		1978	Taylor, Thomas T.	Report of the Archaeological Survey of Five Possible Steel Tank Reservoir Sites and Pipe Routes for the Walnut Valley Water District		19-000883
LA-00481		1979	Van Horn, David M.	Archaeological Survey Report: a Parcel Located in the City of Walnut in the County of Los Angeles, California	Archaeological Associates, Ltd.	
LA-00836		1977	Cottrell, Marie G.	Letter Report to Ronald Martin & Assoc. Inc.	Archaeological Resource Management Corp.	
LA-01268		1983	Mason, Roger D. and Nancy Whitney-Desautels	Archaeological Survey Report and Records Search on Proposed Revised Tract 32158 in the City of Walnut, Los Angeles County, Ca	Scientific Resource Surveys, Inc.	
LA-01346		1984	Brock, James P.	Archaeological Assessment Report for Proposed Sanitary Landfill Expansion Adjacent to the Spadra Landfill Los Angeles County (140 +/- Total Acres)	Archaeological Advisory Group	
LA-01392		1980	Anonymous	Archaeological Assessment and Test Report on LAN-1070, LAN-1071, and LAN-1072 Located on Tr 36682 in the City of Walnut, Ca	Scientific Resource Surveys, Inc.	19-001070, 19-001071, 19-001072
LA-02135		1990	Mason, Roger D.	Cultural Resources Survey Report on a 25 Acre Parcel in the City of Walnut, Los Angeles County, California	The Keith Companies Archaeological Division	
LA-03835		1979	Cottrell, Marie G.	Records Search and an Archaeological Survey for the 400 Acre Parcel Designated South Ranch, City of Walnut, Los Angeles County, California	Archaeological Resource Management Corp.	
LA-04337		1979		Cultural Resources Report T.t. 36682 Located in the City of Walnut, California	Scientific Resource Surveys, Inc.	19-001070, 19-001071, 19-001072
LA-05644	Cellular -	2002	Duke, Curt	Cultural Resource Assessment: Cingular Wireless Facility No. Vy 130-02 Los Angeles County, California	LSA Associates, Inc.	
LA-05646	Cellular -	2001	Duke, Curt	Cultural Resource Assessment: Cingular Wireless Facility No. Vy-130-01 Los Angeles County, California	LSA Associates, Inc.	
LA-05648		2000	Strudwick, Ivan	Results of a Cultural Resource Survey of the 315 Acre Forest Lawn Memorial Park, Covina Hills, Los Angeles County, California	LSA Associates, Inc.	
LA-06262	Cellular -	2002	Duke, Curt	Cultural Resource Assessment Cingular Wireless Facility No. Vy 130-04 Los Angeles County, California	LSA Associates, Inc.	

## Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-08249		2002	Peterson, Patricia A.	Cultural Resources Records Search and Survey Report for the Reclaimed Water Backbone Transmission Project, Los Angeles County, California	Chambers Group, Inc.	19-000179, 19-001044, 19-001045, 19-001046, 19-002805, 19-120031, 19-186112
LA-10043		2000	Strudwick, Ivan H.	Results of a Cultural Resource Survey of the 315 Acre Forest Lawn Memorial Park, Covina Hills, Los Angeles County, California	LSA Associates, Inc.	

OFFICE OF HISTORIC PRESERVATION * * * Directory of Properties in the Historic Property Data File for LOS ANGELES County.										Page 1039	04-05-12	
PROPERTY-NUMBER	PRIMARY-#	STREET-ADDRESS.....	NAMES.....	CITY-NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT	
156387		1046 ELKGROVE AVE	LINCOLN PLACE 2-STORY, 16-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156377		1049 ELKGROVE AVE	LINCOLN PLACE 2-STORY, 16-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156374		1056 ELKGROVE AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156378		1061 ELKGROVE AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156375		1064 ELKGROVE AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156376		1072 ELKGROVE AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 9	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
131069		1077 ELKGROVE AVE	LINCOLN PLACE APARTMENTS	VENICE	P	1949	TAX.CERT.	537.9-19-0394	01/04/11	7J		
							HIST.RES.	CR	08/05/05	2CS	AC	
							CAL.REG.	19-0465	09/30/04	2CS	AC	
							NAT.REG.	19-0394	02/07/03	7W		
156388		1080 ELKGROVE AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156389		1088 ELKGROVE AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 9	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156304		1403 ELKGROVE CR	LINCOLN PLACE MIXED 1 & 2 STORY, 7	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156311		1410 ELKGROVE CR	LINCOLN PLACE 2-STORY, 16-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156305		1411 ELKGROVE CR	LINCOLN PLACE 2-STORY, 14-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156306		1421 ELKGROVE CR	LINCOLN PLACE 2-STORY, 18-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156310		1422 ELKGROVE CR	LINCOLN PLACE 2-STORY, 12-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156308		1430 ELKGROVE CR	LINCOLN PLACE 2-STORY, 8-UNIT APAR	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156307		1431 ELKGROVE CR	LINCOLN PLACE 2-STORY, 14-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156309		1440 ELKGROVE CR	LINCOLN PLACE 2-STORY, 16-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156292		970 ELKHART PL	LINCOLN PLACE 2-STORY, 20-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156448		960 ELKLAND PL	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156449		972 ELKLAND PL	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156314		1070 FREDERICK ST	LINCOLN PLACE 2-STORY, 20-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156386		1030 LAKE ST	LINCOLN PLACE 2-STORY, 10-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156390		1110 LAKE ST	LINCOLN PLACE 2-STORY, 8-UNIT APAR	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156391		1118 LAKE ST	LINCOLN PLACE 2-STORY, 6-UNIT APAR	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156393		1130 LAKE ST	LINCOLN PLACE 2-STORY, 10-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156405		1505 PENMAR AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156408		1521 PENMAR AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 1	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156437		1601 PENMAR AVE	LINCOLN PLACE 2-STORY, 21-UNIT APA	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156430		1621 PENMAR AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 2	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156444		1701 PENMAR AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 2	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156446		1721 PENMAR AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 2	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
156447		1741 PENMAR AVE	LINCOLN PLACE MIXED 1 & 2 STORY, 2	VENICE	P	1949	HIST.RES.	CR	08/05/05	2CD	AC	
166228		ATLANTIC AVE	ATLANTIC AVENUE BRIDGE	VERNON	M	1931	PROJ.REVW.	FHWA060814A	09/12/06	6Y		
092283		1830 E 25TH ST	GAUTIER LAND COMPANY FREIGHT OFFIC	VERNON	P	1937	HIST.RES.	DOE-19-94-0707-0000	10/27/94	6Y		
							PROJ.REVW.	FHWA940929A	10/27/94	6Y		
092284		1850 E 25TH ST	CA STUCCO CO. FACTORY	VERNON	P	1923	HIST.RES.	DOE-19-94-0708-0000	10/27/94	6Y		
							PROJ.REVW.	FHWA940929A	10/27/94	6Y		
156618		3049 E VERNON AVE	CLOUGHERTY BROTHERS PACKING COMPAN	VERNON	P	1931	PROJ.REVW.	FCC051026G	11/14/05	6Y		
089716		EXCHANGE AVE	LA MESA BATTLEFIELD	VERNON	P		HIST.RES.	SHL-0167-0000	03/06/35	7L		
150949		2525 FRUITLAND AVE		VERNON	P	1941	HIST.RES.	DOE-19-04-0364-0000	02/11/04	6Y		
							PROJ.REVW.	FCC040211D	02/11/04	6Y		
150947		2552 FRUITLAND AVE		VERNON	U	1928	HIST.RES.	DOE-19-04-0363-0000	02/11/04	6Y		
							PROJ.REVW.	FCC040211D	02/11/04	6Y		
027417	19-176741	MISSION ST	SOTO STREET BRIDGE	VERNON	C	1928	HIST.SURV.	0058-0001-0000		7R		
150946		5139 PACIFIC BLVD	SCE FRUITLAND SUBSTATION	VERNON	P	1914	HIST.RES.	DOE-19-04-0362-0000	02/11/04	6Y		
							PROJ.REVW.	FCC040211D	02/11/04	6Y		
166229		5122 S ATLANTIC BLVD		VERNON	P	1931	PROJ.REVW.	FHWA060814A	09/12/06	6Y		
090789		130 AVENIDA ALIPAZ	W.R. ROWLAND ADOBE REDWOOD RANCH H	WALNUT	U	1883	HIST.RES.	SPHI-LAN-021	10/01/75	7L		
165274		650 BREA CANYON RD		WALNUT	P	1910	PROJ.REVW.	FHWA010809A	10/30/01	6Y		
127673		2819 CUDAHY ST		WALNUT		1922	HIST.RES.	DOE-19-00-0374-0000	02/19/01	6Y		

OFFICE OF HISTORIC PRESERVATION * * * Directory of Properties in the Historic Property Data File for LOS ANGELES County.										Page 1040	04-05-12	
ROPERY-NUMBER	PRIMARY-#	STREET-ADDRESS	NAMES	CITY-NAME	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT	
							PROJ.REVW.	HUD010227G	02/19/01	6Y		
090790		20800 E COLIMA BLVD	CAPTAIN WILLIAM BANNING HOME	WALNUT	U		HIST.RES.	SPHI-LAN-022	02/27/76	7L		
083997		2719 HILL ST		WALNUT	U	1925	PROJ.REVW.	HUD920615Q	08/31/93	6Y		
168201			TRACT 16472	WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168209			TRACT 17547	WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168175			TRACT 15527	WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168195			TRACT 16738	WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168218			TRACT 19682	WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168220			TRACT 17045	WEST COVINA	P	1952	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168407		3576 E CRAIGLEE CIR		WEST COVINA	P	1952	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168408		3580 E CRAIGLEE CIR		WEST COVINA	P	1952	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168212		2200 E GARVEY AVE		WEST COVINA	P	1954	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168346		2003 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168348		2019 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168349		2023 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168350		2027 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168351		2033 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168352		2037 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168354		2043 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168355		2047 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168357		2053 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168359		2105 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168360		2111 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168361		2117 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168363		2123 E GARVEY AVE N		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168217		2451 E GARVEY AVE N		WEST COVINA	P	1955	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168214		2330 E GARVEY AVE S		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168216		2346 E GARVEY AVE S		WEST COVINA	P	1955	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168380		2447 E HILLHAVEN DR		WEST COVINA	P	1952	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168221		3712 E HOLT AVE		WEST COVINA	P	1952	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168367		2443 E JAMES AVE		WEST COVINA	P	1954	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168368		2449 E JAMES AVE		WEST COVINA	P	1954	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168369		2507 E JAMES AVE		WEST COVINA	P	1954	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168371		2521 E JAMES AVE		WEST COVINA	P	1954	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168372		2535 E JAMES AVE		WEST COVINA	P	1954	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168374		2536 E JAMES AVE		WEST COVINA	P	1954	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168192		1038 E MARDINA ST		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168193		1042 E MARDINA ST		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168194		1046 E MARDINA ST		WEST COVINA	P	1953	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168254		1222 E MARDINA ST		WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168255		1224 E MARDINA ST		WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168256		1230 E MARDINA ST		WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168257		1236 E MARDINA ST		WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168258		1242 E MARDINA ST		WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168259		1250 E MARDINA ST		WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168260		1302 E MARDINA ST		WEST COVINA	P	1951	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168298		1430 E MARDINA ST		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168300		1434 E MARDINA ST		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168301		1438 E MARDINA ST		WEST COVINA	P		PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168303		1442 E MARDINA ST		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168304		1502 E MARDINA ST		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168305		1506 E MARDINA ST		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168306		1510 E MARDINA ST		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		
168307		1514 E MARDINA ST		WEST COVINA	P	1950	PROJ.REVW.	FHWA020703A	09/06/02	6Y		

# SCCIC NOTES

SUGIMOTO 4/11

mylar 1

LA 834

neg

LA 5648

LSA neg

LA 10043

neg

LA 2135

LA 4337

LA 1392

LA 5644

LA 6242

resource

LA 5644

LA 8249

186869

District

mylar 2

LA 3835

LA 481

mylar #3

LA 1344

LA 1268

mylar 4

LA 342

LA 342



# SCCIC NOTES

SUGIMOTO 4/11

4337

" The project resulted in the  
recording of 3 new  
Arch sites & identification of  
possible fossil bearing formations"

—  
Page 118

**ATTACHMENT 2**

**NATIVE AMERICAN HERITAGE COMMISSION CORRESPONDENCE**

**NATIVE AMERICAN HERITAGE COMMISSION**

Cultural and Environmental Department  
1550 Harbor Blvd., Suite 100  
West Sacramento, CA 95691  
(916) 373-3710



March 23, 2018

Charles Cisneros  
Psomas

Sent by E-mail: Charles.cisneros@psomas.com

RE: Proposed Mt. San Antonio College Transit Center (3MTS010200) Project, City of Walnut;  
San Dimas USGS Quadrangle, Los Angeles County, California

Dear Mr. Cisneros:

A record search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed for the area of potential project effect (APE) referenced above with negative results. Please note that the absence of specific site information in the *Sacred Lands File* does not indicate the absence of Native American cultural resources in any APE.

Attached is a list of tribes culturally affiliated to the project area. I suggest you contact all of the listed Tribes. If they cannot supply information, they might recommend others with specific knowledge. The list should provide a starting place to locate areas of potential adverse impact within the APE. By contacting all those on the list, your organization will be better able to respond to claims of failure to consult. If a response has not been received within two weeks of notification, the NAHC requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact via email: [gayle.totton@nahc.ca.gov](mailto:gayle.totton@nahc.ca.gov).

Sincerely,

A handwritten signature in cursive script that reads "Gayle Totton".

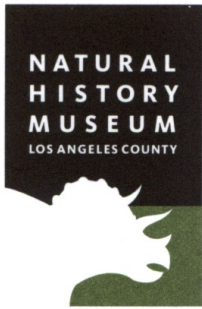
Gayle Totton, M.A., PhD.  
Associate Governmental Program Analyst  
(916) 373-3714

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**ATTACHMENT 3**  
**NATURAL HISTORY MUSEUM RESULTS**

Natural History Museum  
of Los Angeles County  
900 Exposition Boulevard  
Los Angeles, CA 90007

tel 213.763.DINO  
www.nhm.org



Vertebrate Paleontology Section  
Telephone: (213) 763-3325

e-mail: [smcleod@nhm.org](mailto:smcleod@nhm.org)

5 April 2018

Psomas  
3 Hutton Centre Drive, Suite 200  
Santa Ana, CA 92707-8794

Attn: Charles Cisneros, Senior Archaeologist / Project Manager

re: Paleontological Resources for the proposed Temple Avenue Project, Psomas Project  
3MTS010200, in the City of Walnut, Los Angeles County, project area

Dear Charles:

I have conducted a thorough search of our Vertebrate Paleontology records for the proposed Temple Avenue Project, Psomas Project 3MTS010200, in the City of Walnut, Los Angeles County, project area as outlined on the portion of the San Dimas USGS topographic quadrangle map that you sent to me via e-mail on 22 March 2018. We have no vertebrate fossil localities that lie directly within the boundaries of the proposed project area, but we do have localities somewhat nearby from sedimentary deposits similar to those that may occur at depth in the proposed project area.

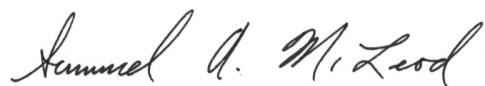
In the lower lying terrain in the southwestern portion and the eastern margin of the proposed project area the surface deposits consist of younger Quaternary Alluvium, derived as alluvial fan deposits from the San Jose Hills immediately to the north. These deposits typically do not contain significant vertebrate fossils, at least in the uppermost layers, but they may be underlain by older sedimentary deposits that do contain significant fossil vertebrate remains. Our closest vertebrate fossil locality from similar older Quaternary deposits is LACM 8014, east-southeast of the proposed project area in the northeastern Puente Hills just southwest of the intersection of the Riverside Freeway (Highway 60) and the Corona Freeway (Highway 71), that produced a fossil specimen of bison, *Bison*. A little farther to the east-southeast from the proposed project area, in English Canyon west of Chino, our older Quaternary locality LACM 1728 produced fossil specimens of horse, *Equus*, and camel, *Camelops*, at a depth of 15 to 20 feet below the surface.

In the surrounding elevated terrain there are exposures of the marine late Miocene Puente Formation, also sometimes considered to be part of the Monterey Formation in this area with the youngest member of the Puente Formation referred to as the Sycamore Canyon Formation. Our closest vertebrate fossil locality from the Puente Formation is LACM 6171, due west of the proposed project area in the hills on the west side of Collegewood Drive, that produced a fossil fish specimen of herring, *Ganolytes*. Our next closest fossil vertebrate locality from the Puente Formation is LACM 7153, just south of east of the proposed project area south of Temple Avenue and west of Valley Boulevard, that produced many specimens of fossil pipefish including the holotype (name bearing specimen of a species new to science) of the pipefish *Syngnathus emeritus*, published by R. A. Fritzsche in 1980 (Revision of the eastern Pacific Syngnathidae (Pisces: Syngnathiformes), including both Recent and fossil forms. Proceedings of the California Academy of Sciences, 42(6):181-227). Further to the southeast of the proposed project area, in Diamond Bar south and west of the intersection of the Pomona Freeway (Highway 60) and the Orange Freeway (Highway 57), our Puente Formation locality LACM 7190 produced a fauna of fossil fish including deep sea smelts, Bathylagidae, lantern fish, Myctophidae, jacks, Carangidae, and herrings, *Ganolytes* and *Etringus*.

Shallow excavations in the younger Quaternary Alluvium exposed throughout the proposed project area probably will not uncover significant vertebrate fossil remains. Deeper excavations there that extend down into older deposits, however, may well encounter significant fossil vertebrate specimens. Any substantial excavations in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Sediment samples should also be collected and processed to determine the small fossil potential in the proposed project area. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,



Samuel A. McLeod, Ph.D.  
Vertebrate Paleontology

enclosure: invoice

**APPENDIX C**  
**GEOTECHNICAL STUDY REPORT**



# Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

## **GEOTECHNICAL STUDY REPORT Proposed Parking Lot D-3 Improvement and Elevator Addition Project Mt. San Antonio College Walnut, California**

Converse Project No. 17-31-241-01

Prepared For:

Mt. San Antonio College  
1100 North Grand Avenue  
Walnut, California 91789

Prepared By:

Converse Consultants  
717 South Myrtle Avenue  
Monrovia, California 91016

October 6, 2017





# Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

October 6, 2017

Mr. Gary Gidcumb  
Mt. San Antonio College  
Facilities Planning & Management  
Building 46  
1100 North Grand Avenue  
Walnut, California 91789

Subject: **GEOTECHNICAL STUDY REPORT**  
**Proposed Parking Lot D-3 Improvement and Elevator Addition Project**  
Mt. San Antonio College  
Walnut, California  
Converse Project No. 17-31-241-01

Dear Mr. Gidcumb:

Enclosed is the Geotechnical Study Report prepared by Converse Consultants (Converse) for the proposed Parking Lot-D3 Improvement Project within Mt. San Antonio College in Walnut, California.

The purpose of the study was to investigate the geotechnical site conditions and provide recommendations for the Proposed Parking Lot D-3 Improvement and Elevator Addition Project, to include paving, curb and gutters with bus shelters and an elevator tower located on the north end of Parking Lot D-3 of the existing Mt. San Antonio College site.

Based on our field exploration, laboratory testing, geologic evaluation, and geotechnical analysis, the site is suitable from a geotechnical standpoint for the Proposed Parking Lot D-3 Improvement and Elevator Addition Project, provided our conclusions and recommendations are implemented during design and construction.

We appreciate the opportunity to be of continued service to Mt. San Antonio College. If you should have any questions, please do not hesitate to contact us at (626) 930-1200.

Sincerely,

**CONVERSE CONSULTANTS**

Siva K. Sivathasan, PhD, PE, GE, DGE, QSD, F. ASCE  
Senior Vice President / Principal Engineer

Dist: 5/Addressee

## PROFESSIONAL CERTIFICATION

This report for the Proposed Parking Lot D-3 Improvement and Elevator Addition Project located within Mt. San Antonio College in Walnut, Los Angeles County, California, has been prepared by the staff of Converse under the professional supervision of the individuals whose seals and signatures appear hereon.

The findings, recommendations, specifications or professional opinions contained in this report were prepared in accordance with generally accepted professional engineering and engineering geologic principles and practice in this area of Southern California. There is no warranty, either expressed or implied.

In the event that changes to the property occur or additional relevant information about the property is brought to our attention, the conclusions contained in this report may not be valid unless these changes and additional relevant information are reviewed and the recommendations of this report are modified or verified in writing.

---

Parameswaran Ariram, EIT  
Senior Staff Engineer

---

Mark B. Schluter, PG, CEG, CHG  
Senior Engineering Geologist



---

Siva K. Sivathasan, PhD, PE, GE, DGE, QSD, F. ASCE  
Senior Vice President / Principal Engineer



## EXECUTIVE SUMMARY

The following is a summary of our geotechnical study, findings, conclusions, and recommendations, as presented in the body of this report. Please refer to the appropriate sections of the report for complete conclusions and recommendations. In the event of a conflict between this summary and the report, or an omission in the summary, the report shall prevail.

- The proposed project will consist of **paving, curb and gutters with bus shelters** and an **elevator tower** located on the existing **Parking Lot D-3** at Mt. San Antonio College campus at 1100 North Grand Avenue in Walnut, California. The **structural loads** are not known at this time but are **anticipated to be moderate**.
- Three (3) exploratory borings (BH-1 through BH-3) were drilled within the project site on August 15, 2017. The borings were advanced using a truck-mounted drill rig with an 8-inch diameter hollow stem auger to a maximum depth of 51.5 feet below the existing ground surface (bgs).
- The earth materials encountered during our investigation consisted of existing fill soils placed during previous site grading operations, and natural alluvial soil sediments to a maximum depth of 51.5 feet bgs. Undocumented fills, ranging from 2 to 5 feet in thickness were encountered in the borings. Deeper artificial fill may exist at the site. The fill soils encountered consist primarily of silty sand and sandy silt. Natural alluvial soils were encountered approximately 5 feet below ground surface (bgs) and consisted of silty sand, silty clay and sandy silt.
- Remedial grading consisting of over-excavation and recompaction is required for the surficial soils to provide structural support for foundations, sidewalks, curbs, gutters, and pavement surfaces.
- **Groundwater was encountered** in our exploratory borings to a maximum depth of approximately 36 feet below ground surface (bgs). The regional groundwater table is **not expected to be encountered during the planned construction**.
- The project site is not located within a currently designated State of California Earthquake Fault Zone (formerly Alquist-Priolo Special Studies Zones) for surface fault rupture. The Alquist-Priolo Earthquake Fault Zoning Act requires the California Geological Survey to zone "active faults" within the State of California.
- The site is located within a mapped Seismic Hazard Zone for potential liquefaction. Liquefaction analyses were performed for the upper 50 feet below ground surface utilizing boring BH-1. The results of liquefaction analysis indicate the **project site is not susceptible to liquefaction**. The estimated potential liquefaction induced settlement is on the order of 0.62 inches with potential differential settlement of 0.31 inches for the span of 40 feet.

- The pH, soluble sulfate and chloride content values of the sample tested are in the “non-corrosive” range. The resistivity is in the “corrosive” range, to ferrous metals.
- The soil materials at the site are predominately sand and silty sand. These material types should be excavatable with heavy-duty earth moving, drilling, and trenching equipment.
- Shallow spread and continuous footings are considered suitable for structure support provided the recommendations in this report are incorporated into the project plans and specifications and are followed during site construction.
- For non-building structures (e.g. signs, fence walls, short retaining walls, etc.), conventional footings can be used.

Results of our study indicate that the site is suitable from a geotechnical standpoint for the proposed development, provided that the recommendations contained in this report are incorporated into the design and construction of the project.

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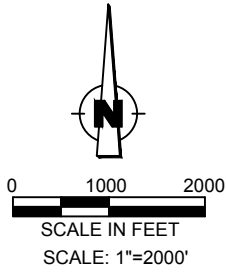
## 1.0 INTRODUCTION

This report contains the findings and recommendations of our Geotechnical Study Report performed at the site of the Proposed Parking Lot D-3 Improvement and Elevator Addition Project located within the Mt. San Antonio College campus, in Walnut, California, as shown on Drawing No. 1, *Site Location Map*.

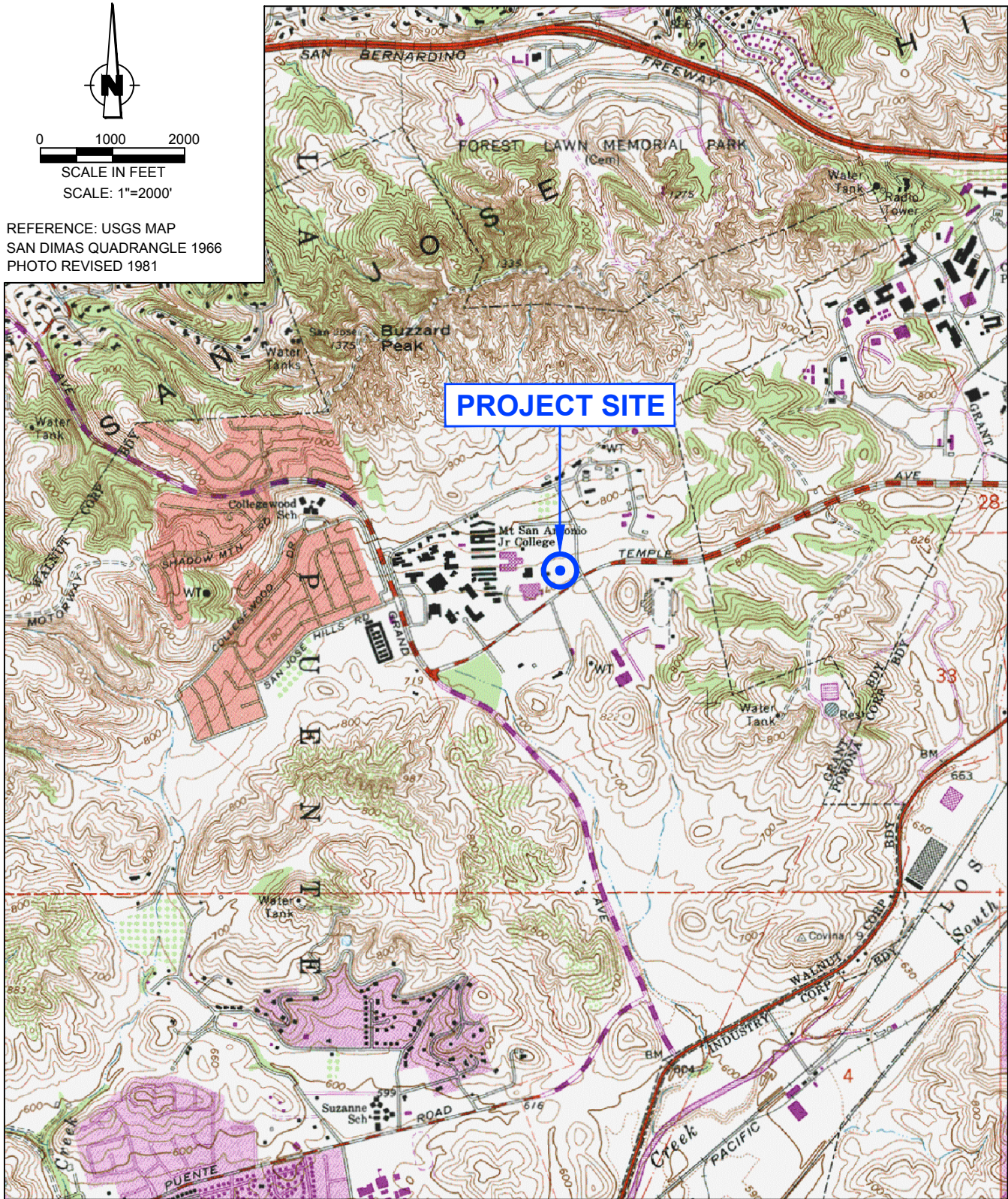
The purpose of the study is to evaluate the subsurface soil conditions and provide geotechnical recommendations and design recommendations for the design and construction of the proposed project, including current standard of practice seismic and geotechnical engineering interpretations.

This report is written for the project described herein and is intended for use solely by Mt. San Antonio College and their design team. **It should not be used as a bidding document but may be made available to the potential contractors for information on factual data only. For bidding purposes, the contractors should be responsible for making their own interpretation of the data contained in this report.**





REFERENCE: USGS MAP  
SAN DIMAS QUADRANGLE 1966  
PHOTO REVISED 1981



### SITE LOCATION MAP

PROPOSED PARKING LOT D-3 IMPROVEMENT PROJECT  
MT. SAN ANTONIO COLLEGE  
WALNUT, CALIFORNIA

Project No.  
17-31-241-01



Drawing No.

1

## 2.0 SITE AND PROJECT DESCRIPTION

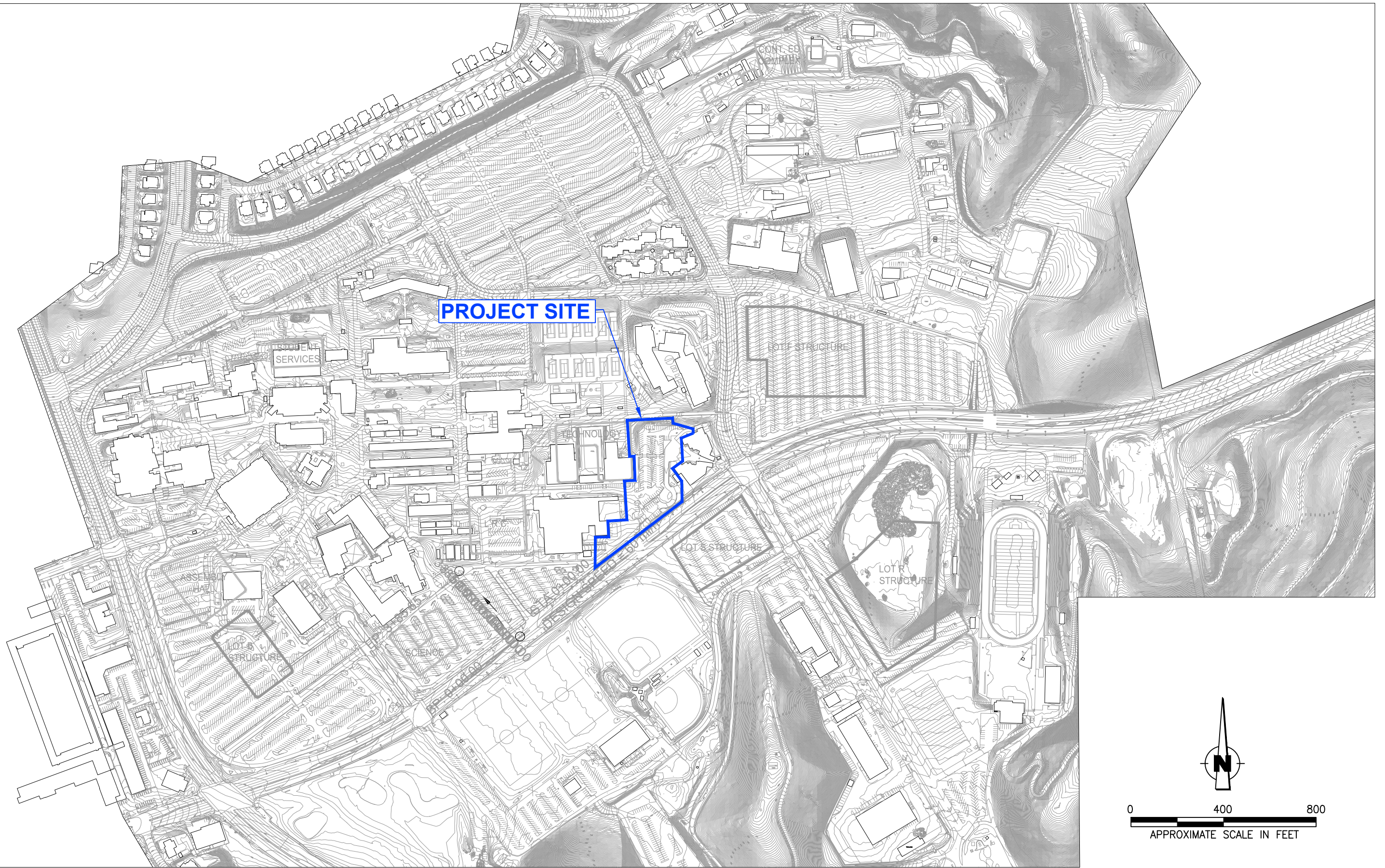
### 2.1 Site Description

The subject site is located at 1100 N Grand Avenue in Walnut, California. The Proposed Parking Lot D-3 Improvement and Elevator Addition Project is planned to be within the existing Mt. San Antonio College campus as shown on Drawing No. 1, *Site Location Map*. The subject site has surface elevations ranging from approximately 735 to 760 feet relative to mean-sea-level (MSL) respectively, with general surface gradients sloping from north to south.

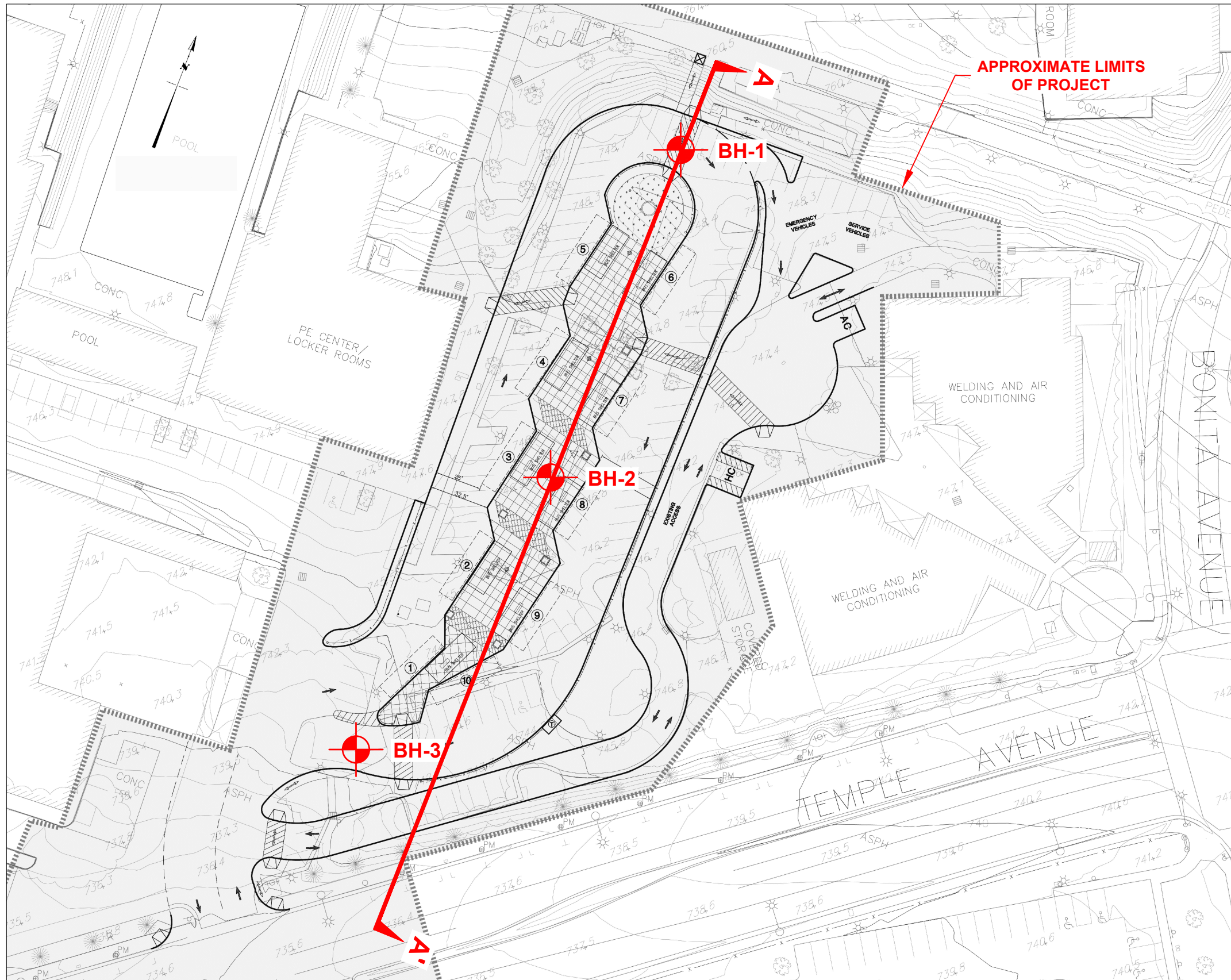
The site coordinates for the proposed Comprehensive Modernization Project are: 34.047088 degrees North Latitude, -117.841546 degrees West Longitude. The site coordinates were centered on the subject site and used to calculate the earthquake ground motions. Review of the Engineering Geology and Seismology for Public Schools and Hospitals in California, dated August 9, 2005 (page 35) indicates that accuracy to within a few hundred meters of these coordinates is sufficient for the computation of the earthquake ground motion of the project site.

### 2.2 Project Description



The proposed project will consist of Parking Lot D-3 improvement including an elevator tower, paving, curb and gutters with bus shelters within existing Parking Lot D-3 of the existing Mt. San Antonio College campus. The structural loads are not known at this time, but are anticipated to be moderate. **The elevator tower structure is planned to be founded on shallow foundations or concrete mat foundations.** The Proposed Parking Lot D-3 Improvement and Elevator Addition Project is one of the Mt. San Antonio College Facilities Masterplan Improvement projects to provide quality educational facilities and is located on eastern portion of the campus as shown on Drawing No. 2a, *Master Site Plan-Parking Lot D-3*. The Parking Lot D-3 project site is shown on Drawing No. 2b, *Site Plan and Approximate Location of Borings*.

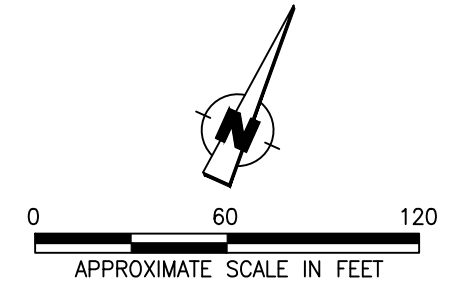


**SITE MASTER PLAN - PARKING LOT D-3**



**LEGEND**

-  APPROXIMATE LOCATION OF BORING
-  APPROXIMATE LOCATION OF GEOLOGIC CROSS SECTION



REFERENCE: DRAWING BY PSOMAS MAR. 15, 2017

**SITE PLAN AND APPROXIMATE LOCATION OF BORINGS**

### **3.0 SCOPE OF WORK**

Our scope of work consists of the tasks described in the following subsections.

#### **3.1 Site Reconnaissance and Data Review**

Our field exploration included a site reconnaissance by a member of the Converse staff on August 14, 2017. The purpose of the site reconnaissance was to observe surface conditions and to mark exploratory boring locations based on a proposed boring location map provided to our office via email.

#### **3.2 Subsurface Exploration**

Three (3) exploratory borings (BH-1 through BH-3) were drilled within the project site on August 15, 2017. The borings were advanced using a truck mounted drill rig with an 8-inch diameter hollow stem auger to a maximum depth of 51.5 feet below the existing ground surface (bgs). Each boring was visually logged by a Converse engineer and sampled at regular intervals and at changes in subsurface soils. Detailed descriptions of the field exploration and sampling program are presented in Appendix A, *Field Exploration*.

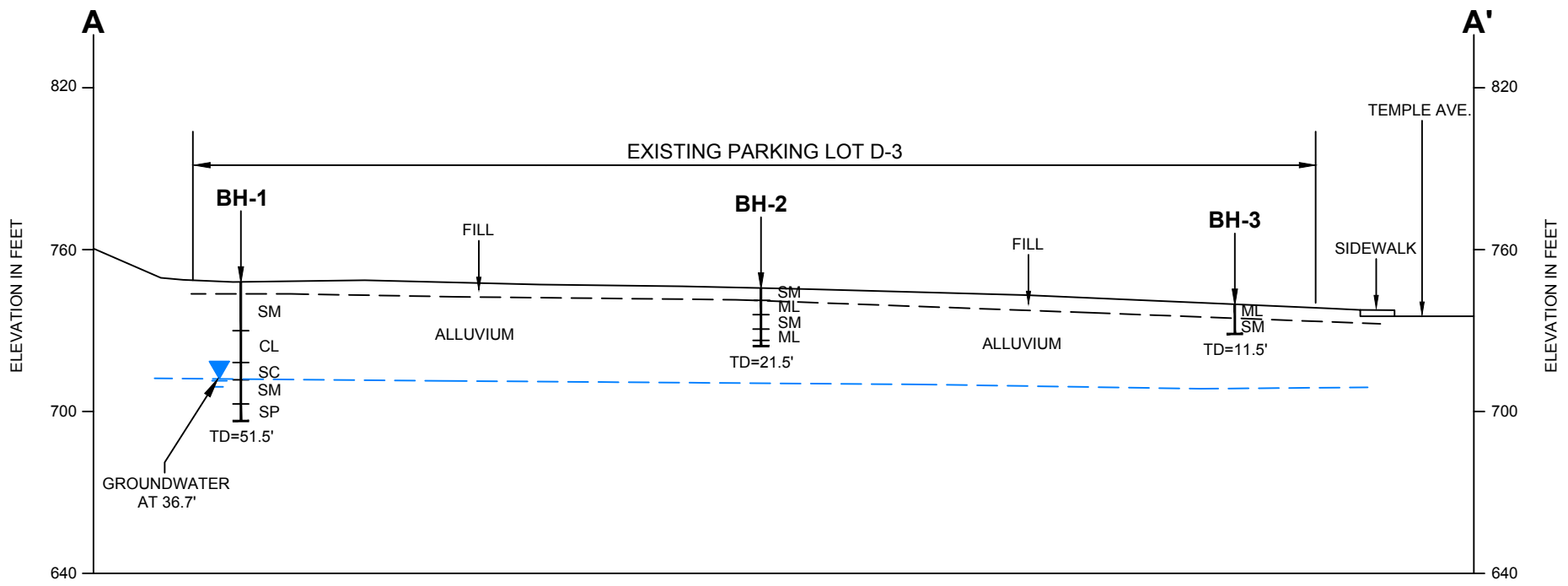
California Modified Sampler (Ring samples), Standard Penetration Test samples, and bulk soil samples were obtained for laboratory testing. Standard Penetration Tests (SPTs) were performed in selected borings at selected intervals using a standard (1.4 inches inside diameter and 2.0 inches outside diameter) split-barrel sampler. The bore holes were backfilled and compacted with soil cuttings by reverse spinning of the auger following the completion of drilling and tamping the backfilled soil cuttings.

The approximate locations of the exploratory borings are shown in Drawing No. 2b, *Site Plan and Approximate Location of Borings* and Drawing No. 3, *Geologic Cross Section A-A'*. For a description of the field exploration and sampling program see Appendix A, *Field Exploration*.

#### **3.3 Laboratory Testing**

Representative samples of the site soils were tested in the laboratory to aid in the classification and to evaluate relevant engineering properties. The tests performed included:

- In situ moisture contents and dry densities (ASTM Standard D2216)
- Percent finer than Sieve No. 200 (ASTM Standard D1140)
- Grain Size Distribution (ASTM Standard C136)
- Maximum dry density and optimum-moisture content relationship (ASTM Standard D1557)
- Direct shear (ASTM Standard D3080)



PROFILE:  
 HORIZONTAL: 1"=60'  
 VERTICAL: 1"=60'

### GEOLOGIC CROSS SECTION A-A'

- Consolidation (ASTM Standard D2435)
- R-value (ASTM D2844)
- Soil corrosivity tests (Caltrans 643, 422, 417, and 532)

### **3.4 Analyses and Report**

Data obtained from the exploratory fieldwork and laboratory-testing program were analyzed and evaluated with respect to the planned construction. This report was prepared to provide the findings, conclusions and recommendations developed during our study and evaluation.

## 4.0 GEOLOGIC CONDITIONS

### 4.1 Regional Geologic Setting

The proposed project site is located in the San Jose Hills along the western edge of the Pomona Valley within the Transverse Ranges geomorphic province of California near the northern terminus of the Peninsular Ranges Province.

The Pomona Valley is situated at the junction of two major convergent fault systems. The first group consists of northwest-trending high angle strike slip faults of the San Andreas system projecting from the northern terminus of the Peninsular Ranges geomorphic province. Faults in this group include the Palos Verdes, Newport-Inglewood, Whittier-Elsinore and San Jacinto fault zones. The second group of major convergent fault systems includes the east-trending low angle reverse or reverse-oblique faults bounding the southern margin of the Transverse Ranges geomorphic province. Faults in this group include Malibu-Santa Monica, Hollywood, Raymond, Verdugo, Eagle Rock, San Rafael Sierra Madre and Cucamonga fault zones.

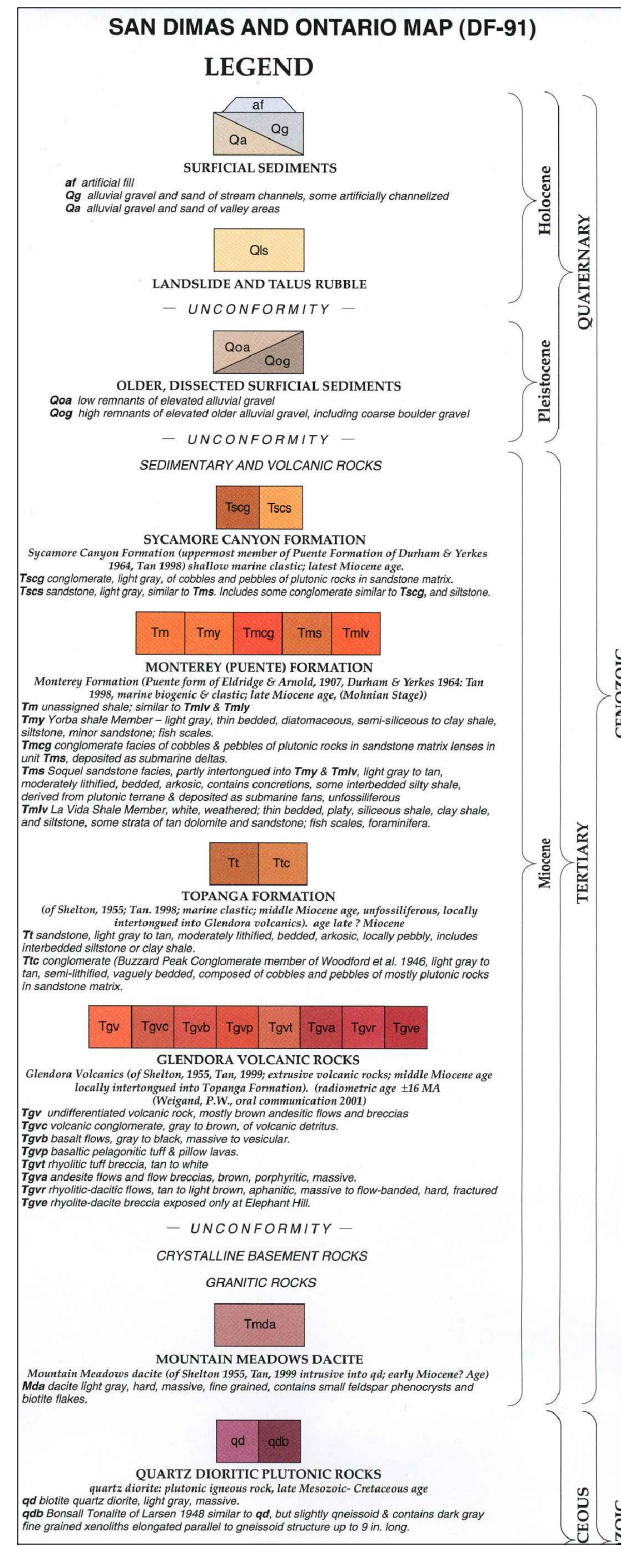
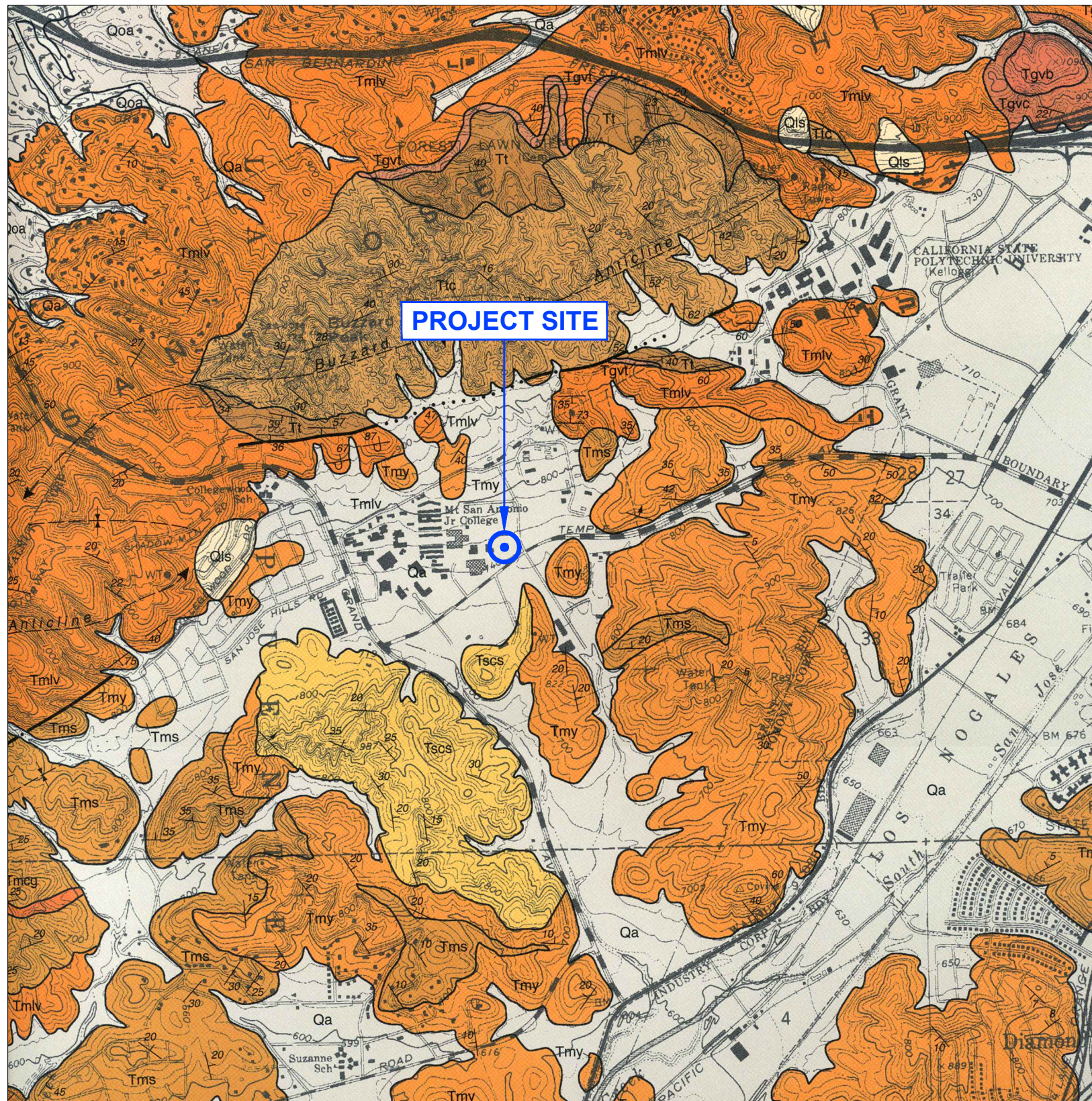
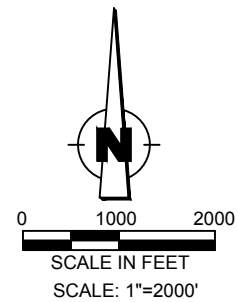
The Pomona Valley basin is bounded to the north by the San Jose fault and to the southwest by the Chino-Central Avenue fault. These two fault systems do not exhibit significant evidence of surface movement within Holocene time (0-11,700 years before present) and are not considered active based on current geologic information. The San Jose and Chino-Central Avenue faults are considered Late Quaternary age faults, having exhibited displacement and movement within the past approximately 130,000 years.

The Geologic Map of the San Dimas and Ontario Quadrangles prepared by Thomas W. Dibblee, Jr. (DF-91, dated July 2002) was reviewed. The map shows the location of Mt. San Antonio College campus within an alluvial basin surrounded by hillsides consisting of sedimentary bedrock of the Monterey (Puente) Formation. No faults are shown running through or projecting through the project site. The project site is located within the alluvial basin and underlain by alluvial sediments. The natural hillsides surrounding the alluvial basin have been mapped as (Tmy, Tms, Tmlv and Tscs) sedimentary bedrock materials belonging to the Sycamore Canyon Formation and Monterey (Puente) Formation as mapped by Dibblee. These bedrock materials consist of interbedded sandstones, siltstone, shales and conglomerates of Miocene age (5 to 23 million years old). Drawing No. 4, *Regional Geologic Map*, has been prepared to show the project site with respect to local geology of the San Dimas Quadrangle.

### 4.2 Subsurface Profile of Project Site

The earth materials encountered during our investigation consist of existing fill soils placed during previous site grading operations overlying natural alluvial sediments. Undocumented fills 5 feet in thickness were encountered in the borings. Deeper artificial fill may exist at the site. The fill soils encountered consisted primarily of silty sands, sandy





REFERENCE: THOMAS W. DIBBLE, Jr. (DF-91)  
 SAN DIMAS QUADRANGLE  
 AND ONTARIO QUADRANGLE (2002)

## REGIONAL GEOLOGIC MAP



PROPOSED PARKING LOT D-3 IMPROVEMENT PROJECT  
 MT. SAN ANTONIO COLLEGE  
 WALNUT, CALIFORNIA

Project No. Drawing No.  
 17-31-241-01 **4**

silts and silts. The alluvial soil deposits below the fill primarily consist of silty sands, sands, clayey sands, silty clays and silts.

Drawing No. 3, *Geologic Cross Section A-A'*, has been drawn across the subject site to illustrate the subsurface conditions. For a detailed description of the materials encountered during our exploration, see Appendix A, *Field Exploration*.

### **4.3 Groundwater**

Groundwater was encountered in Boring BH-1 during drilling of our subsurface explorations at a depth of **approximately 36 feet below the ground surface.** The regional groundwater table is not expected to be encountered during the planned grading and construction. However, the possibility of perched groundwater encountered during grading and excavation cannot be completely precluded.

In general, groundwater levels fluctuate with the seasons and local zones of perched groundwater may be present within the nearer surface soils due to buried alluvial channel features and remnants, local recharge infiltration conditions or during rainy seasons. Groundwater conditions below any given site vary depending on numerous factors including seasonal rainfall, infiltration, local irrigation, groundwater pumping and recharge within the basin, and local storm water recharge among other factors. The regional groundwater table is not expected to be encountered during the planned construction.

### **4.4 Subsurface Variations**

Based on results of the subsurface exploration and our experience, some variations in the continuity and nature of subsurface conditions within the project site should be anticipated. Because of the uncertainties involved in the nature and depositional characteristics of the earth material at the site, care should be exercised in interpolating or extrapolating subsurface conditions between or beyond the boring locations. If, during construction, subsurface conditions differ significantly from those presented in this report, this office should be notified immediately so that recommendations can be modified, if necessary.

## 5.0 FAULTING AND SEISMIC HAZARDS

Geologic hazards are defined as geologically related conditions that may present a potential danger to life and property. Typical geologic hazards in Southern California include earthquake ground shaking, fault surface rupture, liquefaction and seismically induced settlement, lateral spreading, landslides, earthquake induced flooding, tsunamis and seiches, and volcanic eruption hazard.

Results of a site-specific evaluation for each type of possible seismic hazards are discussed in the following sections.

### 5.1 Seismic Characteristics of Nearby Faults

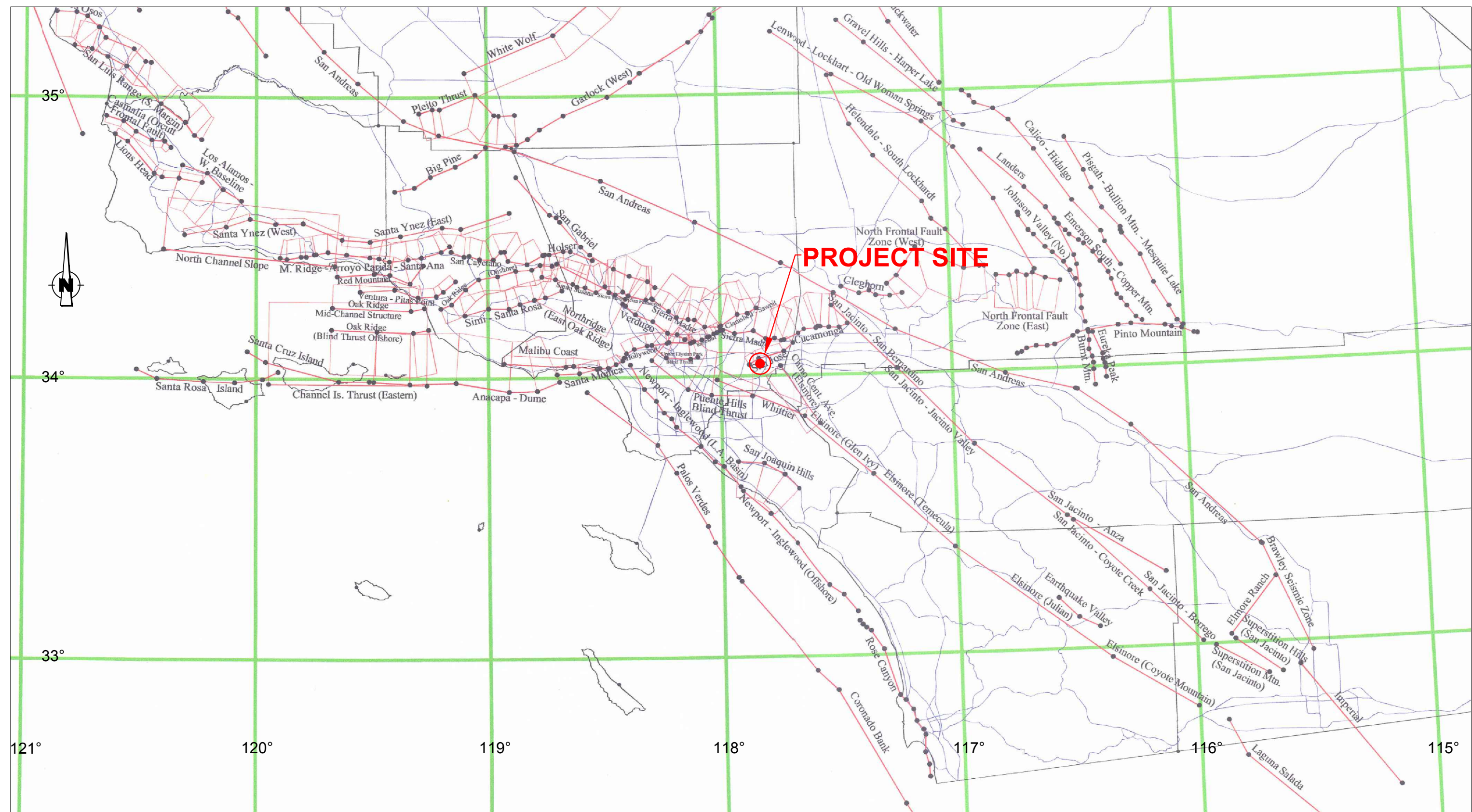
The subject site is situated within a seismically active region. As is the case for most areas of Southern California, ground-shaking resulting from earthquakes associated with nearby and more distant faults may occur at the project site. During the life of the project, seismic activity associated with active faults can be expected to generate moderate to strong ground shaking at the project site.

The project site is not located within a currently designated State of California Earthquake Fault Zone (Alquist-Priolo Special Studies Zones) for surface fault rupture. No surface faults are known to project through or towards the site. The closest known faults to the project site with a mappable surface expression are the San Jose fault, located approximately 0.4 miles (0.67 kilometers) to the north, and the Chino-Central Avenue fault, located approximately 4 miles (6.4 kilometers) to the south). The concealed Puente Hills Blind Thrust Fault (Coyote Hills segment) along with other regional faults was included as active fault sources for the probabilistic seismic hazard analysis for the site. The approximate locations of these local and regional faults with respect to the project site are tabulated on Table No.1, *Summary of Regional Faults*, and are shown in Drawing No. 4, *Regional Geologic Map*, and on Drawing No. 5, *Southern California Regional Fault Map*.


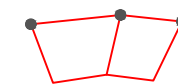
#### 5.1.1 San Jose Fault

The San Jose fault lies along the southern flank of the northeast trending San Jose Hills. The fault trends northeast and dips to the north. The mapped surface trace of the San Jose fault is located approximately 2,200 feet (0.67 kilometers) north of the project site.

Geotechnical investigations performed on the campus of California State Polytechnic University at Pomona (Geocon, 2001) indicated the San Jose fault is an active reverse separation fault. Because of the lack of success in previous fault trench excavations, Geocon based its conclusions on a series of closely spaced boreholes along several traverses across a subtle topographic bench on the campus. They discovered two shallowly to moderately north-dipping thrust faults with the most recent displacement being about 1 meter and that occurred approximately 3,500 ybp on the basis of



REFERENCE: PORTION OF CGS 2002 CALIFORNIA FAULT MODEL  
 MODIFIED FOR USE WITH FRISKSP AND EQFAULT  
 BY THOMAS F. BLAKE, AUGUST 2004

-  FAULT SOURCES
-  BLIND THRUST FAULT,  
POLYGONS INDICATE RUPTURE  
PLANES AND DIP DIRECTION

## SOUTHERN CALIFORNIA REGIONAL FAULT MAP



PROPOSED PARKING LOT D-3 IMPROVEMENT PROJECT  
 MT. SAN ANTONIO COLLEGE  
 WALNUT, CALIFORNIA

Project No.  
 17-31-241-01

Drawing No.  
**5**

radiocarbon dating of faulted alluvium. These findings would show this segment of the fault is active, but is a reverse separation fault south of the San Jose Hills (Yeats, 2004).

### 5.1.2 Chino-Central Avenue Fault

The Chino and Central Avenue faults trend northwest along the southwest portion of the Chino Basin. The faults lie along the northeast edge of the Puente Hills in the cities of Chino Hills and Chino. The Chino and Central Avenue faults are considered part of the larger Elsinore fault system which is one of the major right lateral strike slip faults of the Peninsular Ranges geomorphic province. The Elsinore fault splits near the Prado Dam into the Chino-Central Avenue and Whittier faults. The Chino-Central Avenue faults are two separate fault strands that strike northwest. The Chino fault dips southwest and is at least 18 km in length. The Central Avenue fault is about 8 km in length and concealed by younger alluvial deposits. The Chino and Central Avenue faults converge southward into the much larger Elsinore fault system.

The July 29, 2008 Chino Hills earthquake was a magnitude 5.5 earthquake event that caused moderate ground shaking and some minor damage to Mt. San Antonio College campus buildings. The earthquake epicenter was located approximately 15 miles southeast of the campus beneath the Chino Hills and at a depth of approximately 9.1 miles (14.6 km) below the ground surface.

Table No.1, Summary of Regional Faults, summarizes selected data of known faults capable of seismic activity within 50 kilometers of the project site. The data presented below was calculated using EQFAULT Version 3.0 with updated fault data from “The Revised 2002 California Probabilistic Seismic Hazard Maps (Cao et al.,2003)”, Appendix A, and other published geologic data.

**Table No. 1, Summary of Regional Faults**

Fault Name and Section	Approximate Distance to Site miles (km)	Max. Moment Magnitude (Mmax)	Peak Site Acceleration (g)
SAN JOSE	0.4(0.67)	6.5	0.568
CHINO-CENTRAL AVE. (Elsinore)	4.0(6.4)	6.7	0.461
ELYSIAN PARK THRUST	5.2(8.3)	6.7	0.406
SIERRA MADRE	6.0(9.7)	7	0.436
WHITTIER	7.8(12.5)	6.8	0.276
CUCAMONGA	8.5(13.6)	7	0.352
CLAMSHELL-SAWPIT	12.3(19.8)	6.5	0.208
RAYMOND	12.5(20.1)	6.5	0.206
ELSINORE-GLEN IVY	17.8(28.6)	6.8	0.153
VERDUGO	18.1(29.1)	6.7	0.174
COMPTON THRUST	18.6(29.9)	6.8	0.18
HOLLYWOOD	22.8(36.7)	6.4	0.125

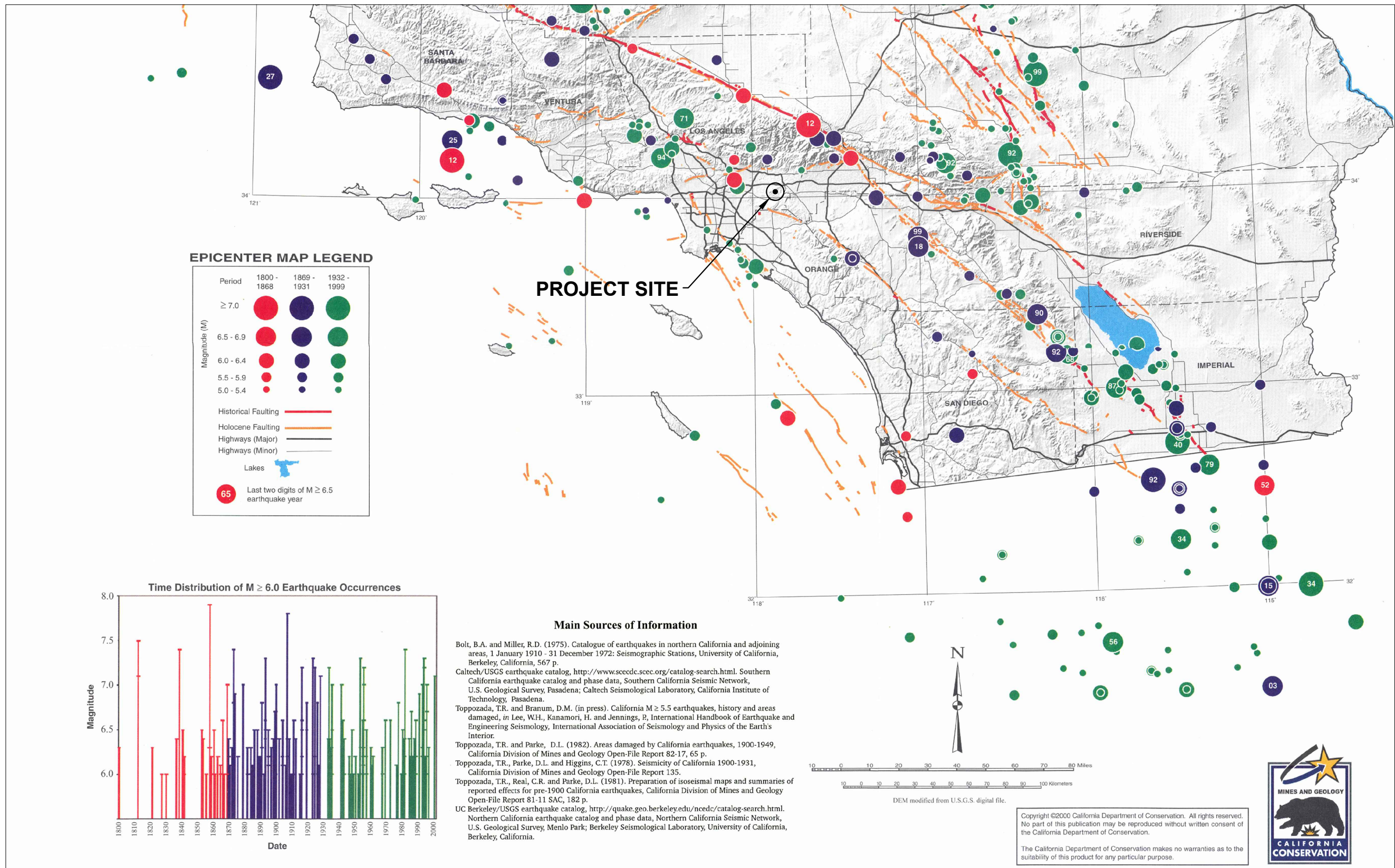
Fault Name and Section	Approximate Distance to Site miles (km)	Max. Moment Magnitude (Mmax)	Peak Site Acceleration (g)
SAN JACINTO-SAN BERNARDINO	23.5(37.8)	6.7	0.118
SAN ANDREAS - 1857 Rupture	24.3(39.1)	7.8	0.205
SAN ANDREAS - Mojave	24.3(39.1)	7.1	0.142
NEWPORT-INGLEWOOD (L.A. Basin)	24.7(39.7)	6.9	0.126
SAN ANDREAS - San Bernardino	25.4(40.8)	7.3	0.152
SAN ANDREAS - Southern	25.4(40.8)	7.4	0.16
CLEGHORN	28.3(45.5)	6.5	0.092
SIERRA MADRE (San Fernando)	30.4(49.0)	6.7	0.117
SAN GABRIEL	31.3(50.4)	7	0.111
NEWPORT-INGLEWOOD (Offshore)	31.8(51.2)	6.9	0.104
PALOS VERDES	32.0(51.5)	7.1	0.115
SANTA MONICA	32.6(52.4)	6.6	0.106
SAN JACINTO-SAN JACINTO VALLEY	34.7(55.8)	6.9	0.097
NORTHRIDGE (E. Oak Ridge)	36.2(58.2)	6.9	0.114
NORTH FRONTAL FAULT ZONE (West)	36.8(59.2)	7	0.119
MALIBU COAST	39.3(63.3)	6.7	0.096
ELSINORE-TEMECULA	39.7(63.9)	6.8	0.083
SANTA SUSANA	42.0(67.6)	6.6	0.087
HOLSER	47.3(76.2)	6.5	0.075
ANACAPA-DUME	49.0(78.9)	7.3	0.111

\* Review of published geologic data and mapping including Appendix A of the 2002 California Fault Parameters Report (Cao et al., 2003).

## 5.2 Seismic History

We have reviewed California Geologic Survey Map Sheet 49; *Epicenters and Areas Damaged by  $M \geq 5$  California Earthquakes, 1800-1999*, (CGS, Topozada et al., 2000). The mapped epicenters of earthquake with magnitude 5.0 or greater in Southern California during the past 200 years are shown on Drawing No. 6, *Epicenters Map of Southern California Earthquakes (1800-1999)*.

An assessment of the recent seismic events in proximity to the project was performed using data provided in the Southern California Earthquake Center (SCEC) and the Consortium of Organizations for Strong-Motion Observation Systems (COSMOS) databases. The number of earthquakes and aftershocks with a moment magnitude of 5.0 or greater occurring within a distance of 100 kilometers was 140, since the Year 1800. The largest earthquake induced ground acceleration affecting the site since the year 1800 was greater than 1.0g, generated from the magnitude 6.7 Northridge earthquake in 1994.



REFERENCE: PORTION OF EPICENTERS AND AREAS DAMAGED BY M≥5 CALIFORNIA EARTHQUAKES, 1800-1999 CALIFORNIA DEPARTMENT OF CONSERVATION, MAP SHEET 49 DATED 2000.

**EPICENTER MAP OF SOUTHERN CALIFORNIA EARTHQUAKES (1800-1999)**



PROPOSED PARKING LOT D-3 IMPROVEMENT PROJECT  
 MT. SAN ANTONIO COLLEGE  
 WALNUT, CALIFORNIA

Project No.  
 17-31-241-01

Drawing No.  
 6

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### 5.3 Surface Fault Rupture

The project site is not located within a currently designated State of California Earthquake Fault Zone (formerly Alquist-Priolo Special Studies Zones) for surface fault rupture. The Alquist-Priolo Earthquake Fault Zoning Act requires the California Geological Survey to zone “active faults” within the State of California. An “active fault” has exhibited surface displacement with Holocene time (within the last 11,000 years) hence constituting a potential hazard to structures that may be located across it. Public school structures are required to be set-back at least 50 feet from an active fault. The active fault set-back distance is measured perpendicular from the dip of the fault plane. Based on a review of existing geologic information, no known active faults project through or toward the site. The potential for surface rupture resulting from the movement of the nearby faults is considered remote.

### 5.4 Liquefaction and Seismically-Induced Settlement

Liquefaction is the sudden decrease in the strength of cohesionless soils due to dynamic or cyclic shaking. Saturated soils behave temporarily as a viscous fluid (liquefaction) and, consequently, lose their capacity to support the structures founded on them. The potential for liquefaction decreases with increasing clay and gravel content, but increases as the ground acceleration and duration of shaking increase. Liquefaction potential has been found to be the greatest where the groundwater level and loose sands occur within 50 feet of the ground surface.

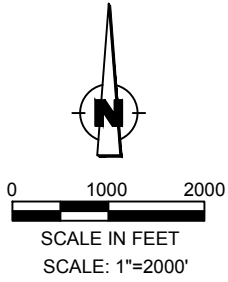
According to the State of California Seismic Hazard Zones Map, the site is located within an area of potential liquefaction as shown on Drawing No. 7, *Seismic Hazard Zone Map*. Liquefaction analyses were performed using LiquefyPro, Version 5.8n, 2012, by Civil Tech Software for the upper 50 feet below ground surface utilizing BH-1. The results of the liquefaction analysis and a summary of the methods used are presented in Appendix D, Liquefaction/Seismic Settlement Analysis.

The results of liquefaction analyses indicate the project site is not susceptible to liquefaction. The estimated potential seismically induced settlement is on the order of 0.62 inches with potential differential settlement of approximately 0.31 inches for the span of 40 feet. The project structural engineer should consider the effects of seismically-induced settlement in the foundation design.

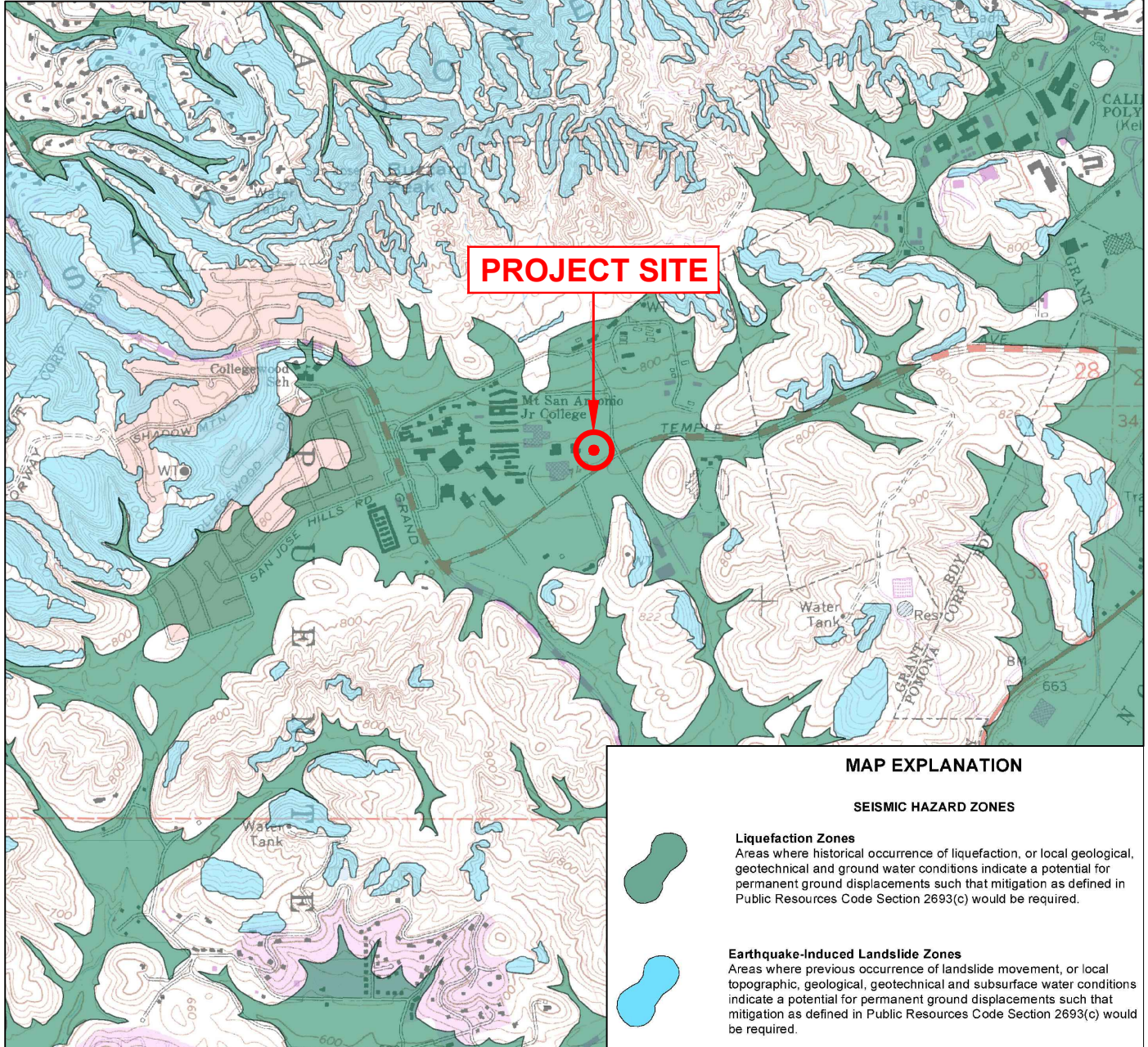
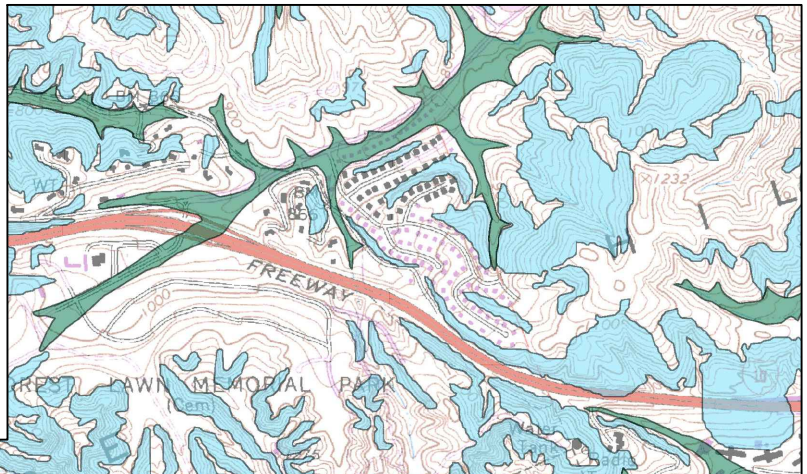
### 5.5 Lateral Spreading

Seismically induced lateral spreading involves primarily lateral movement of earth materials due to ground shaking. It differs from the slope failure in that complete ground failure involving large movement does not occur due to the relatively smaller gradient of the initial ground surface. Lateral spreading is demonstrated by near-vertical cracks with predominantly horizontal movement of the soil mass involved. The topography at the project site and in the immediate vicinity of the site is gently sloping, with no significant





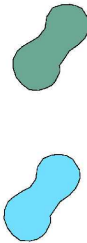
REFERENCE: EARTHQUAKE ZONES OF REQUIRED INVESTIGATION, CALIFORNIA GEOLOGICAL SURVEY, SAN DIMAS QUADRANGLE, SEISMIC HAZARD ZONE 1999



**PROJECT SITE**

**MAP EXPLANATION**

**SEISMIC HAZARD ZONES**



**Liquefaction Zones**  
Areas where historical occurrence of liquefaction, or local geological, geotechnical and ground water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

**Earthquake-Induced Landslide Zones**  
Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

**SEISMIC HAZARD ZONES MAP**

nearby slopes or embankments and shallow sedimentary bedrock. Under these circumstances, the potential for lateral spreading at the subject site is considered negligible.

## **5.6 Seismically-Induced Slope Instability**

Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes. The project site is located within a gently sloping alluvial basin with surrounding hillsides. In the absence of significant ground slopes near the site, the potential for seismically induced landslides to affect the proposed site is considered to be very low.

## **5.7 Earthquake-Induced Flooding**

Review of the Flood Insurance Rate Map (FIRM), Map Number 06037C1375F, Panel 1375 (1375F) of 2350, effective date September 26, 2008, from the Map Service Center (MSC) viewer, indicates that the site is designated as Zone "D", "Areas in which flood hazards are undetermined, but possible".

The potential of earthquake induced flooding of the subject site is considered to be remote.

## **5.8 Tsunami and Seiches**

Tsunamis are tidal waves generated by fault displacement or major ground movement. Based on the location of the site from the ocean, tsunamis do not pose a hazard. Seiches are large waves generated in enclosed bodies of water in response to ground shaking. Based on site distances from lakes and reservoirs, seiches do not pose a hazard.

## **5.9 Volcanic Eruption Hazard**

There are no known volcanoes near the site. According to Jennings (1994), the nearest potential hazards from future volcanic eruptions is the Amboy Crater-Lavic Lake area located in the Mojave Desert more than 120 miles northeast of the site. Volcanic eruption hazards are not present.

## 6.0 SEISMIC ANALYSIS

### 6.1 CBC Seismic Design Parameters

Seismic parameters based on the 2016 California Building Code (CBC) are calculated using the United States Geological Survey *U.S. Seismic Design Maps* website application and the site coordinates (34.04709 degrees North Latitude, -117.84155 degrees West Longitude). The seismic parameters are presented below.

**Table No. 2, CBC Seismic Design Parameters**

Seismic Parameters	2016 CBC
Site Class	D
Mapped Short period (0.2-sec) Spectral Response Acceleration, $S_s$	2.184 g
Mapped 1-second Spectral Response Acceleration, $S_1$	0.780 g
Site Coefficient (from Table 1613.5.3(1)), $F_a$	1
Site Coefficient (from Table 1613.5.3(2)), $F_v$	1.5
MCE 0.2-sec period Spectral Response Acceleration, $S_{MS}$	2.184 g
MCE 1-second period Spectral Response Acceleration, $S_{M1}$	1.17 g
Design Spectral Response Acceleration for short period, $S_{DS}$	1.456 g
Design Spectral Response Acceleration for 1-second period, $S_{D1}$	0.780 g

It should be noted that the 2016 CBC is also expected to reference the ASCE 7-10 Standard which will not result in changes to the above listed seismic design parameters.

### 6.2 Site-Specific Response Spectra

A site-specific response spectrum was developed for the project for a Maximum Considered Earthquake (MCE), defined as a horizontal peak ground acceleration that has a 2 percent probability of being exceeded in 50 years (return period of approximately 2,475 years). The controlling source was determined to be the USGS 2008 California Gridded Source, with an MCE of Mw 7.0 and a deterministic peak ground acceleration (PGA) of 1.088g.

In accordance with ASCE 7-10, Section 21.2 the site-specific response spectra can be taken as the lesser of the probabilistic maximum rotated component of MCE ground motion and the 84<sup>th</sup> percentile of deterministic maximum rotated component of MCE ground motion response spectra. The design response spectra can be taken as 2/3 of site-specific MCE response spectra, but should not be lower than 80 percent of CBC general response spectra. The risk coefficient  $C_R$  has been incorporated at each spectral response period for which the acceleration was computed in accordance with ASCE 7-10, Section 21.2.1.1.

The 2016 CBC mapped acceleration parameters are provided in the following table. These parameters were determined using the United States Geological Survey *U.S.*

Seismic Design Maps website application, and in accordance with ASCE 7-10 Sections 11.4, 11.6, 11.8 and 21.2.

**Table No. 3, 2016 CBC Mapped Acceleration Parameters**

Site Class	D	Seismic Design Category	IV
S <sub>s</sub>	2.184	C <sub>RS</sub>	1.012
S <sub>1</sub>	0.780	C <sub>R1</sub>	1.022
F <sub>a</sub>	1	0.08 F <sub>v</sub> /F <sub>a</sub>	0.120
F <sub>v</sub>	1.5	0.4 F <sub>v</sub> /F <sub>a</sub>	0.600
S <sub>MS</sub>	2.184	T <sub>0</sub>	0.107
S <sub>M1</sub>	1.170	T <sub>s</sub>	0.536
S <sub>DS</sub>	1.456	T <sub>L</sub>	8
S <sub>D1</sub>	0.780		

A Site-Specific response analysis, using faults within 200 kilometers of the sites, was developed using the computer program EZ-FRISK by Risk Engineering (v. 7.62) and the 2008 USGS Fault Model database. Attenuation relationships proposed by Boore and Atkinson (2008), Campbell and Bozorgnia (2008), Chiou and Youngs (2008) were used in the analysis. These attenuation relationships are based on Next Generation Attenuation (NGA) project model. Maximum rotated components were determined using Huang (2008) method. An average shear wave velocity at upper 30 meters of soil profile (V<sub>s30</sub>) of 360 meters per second, depth to bedrock of with a shear wave velocity 1,000 meters per second at 150 meters below grade, and depth of bedrock where the shear wave velocity is 2,500 meters per second at 3,000 meters below grade were selected for EZ-Frisk Analysis.

The probabilistic response spectrum results and peak ground acceleration for each attenuation relationship are presented in the following table.

**Table No. 4, Probabilistic Response Spectrum Data**

Attenuation Relationship	Boore-Atkinson (2008)	Campbell-Bozorgnia (2008)	Chiou-Youngs (2007)	Probabilistic Mean
Peak Ground Acceleration (g)	0.934	0.910	1.059	0.975
Spectral Period (sec)	2% in 50yr Probabilistic Spectral Acceleration (g)			
0.03	1.012	0.974	1.139	1.047
0.05	1.119	1.119	1.308	1.187
0.10	1.598	1.605	1.869	1.696
0.20	2.025	2.051	2.313	2.135
0.30	2.000	1.916	2.213	2.053
0.40	1.932	1.796	2.032	1.925
0.50	1.830	1.711	1.870	1.804
0.75	1.506	1.392	1.487	1.463

Spectral Period (sec)	2% in 50yr Probabilistic Spectral Acceleration (g)			
1.00	1.202	1.159	1.242	1.201
2.00	0.639	0.608	0.571	0.608
3.00	0.426	0.398	0.356	0.395
4.00	0.305	0.304	0.253	0.290

Applicable response spectra data are presented in the table below and on Drawing No. 8, *Site-Specific Design Response Spectrum*. These curves correspond to response values obtained from above attenuation relations for horizontal elastic single-degree-of-freedom systems with equivalent viscous damping of 5 percent of critical damping.

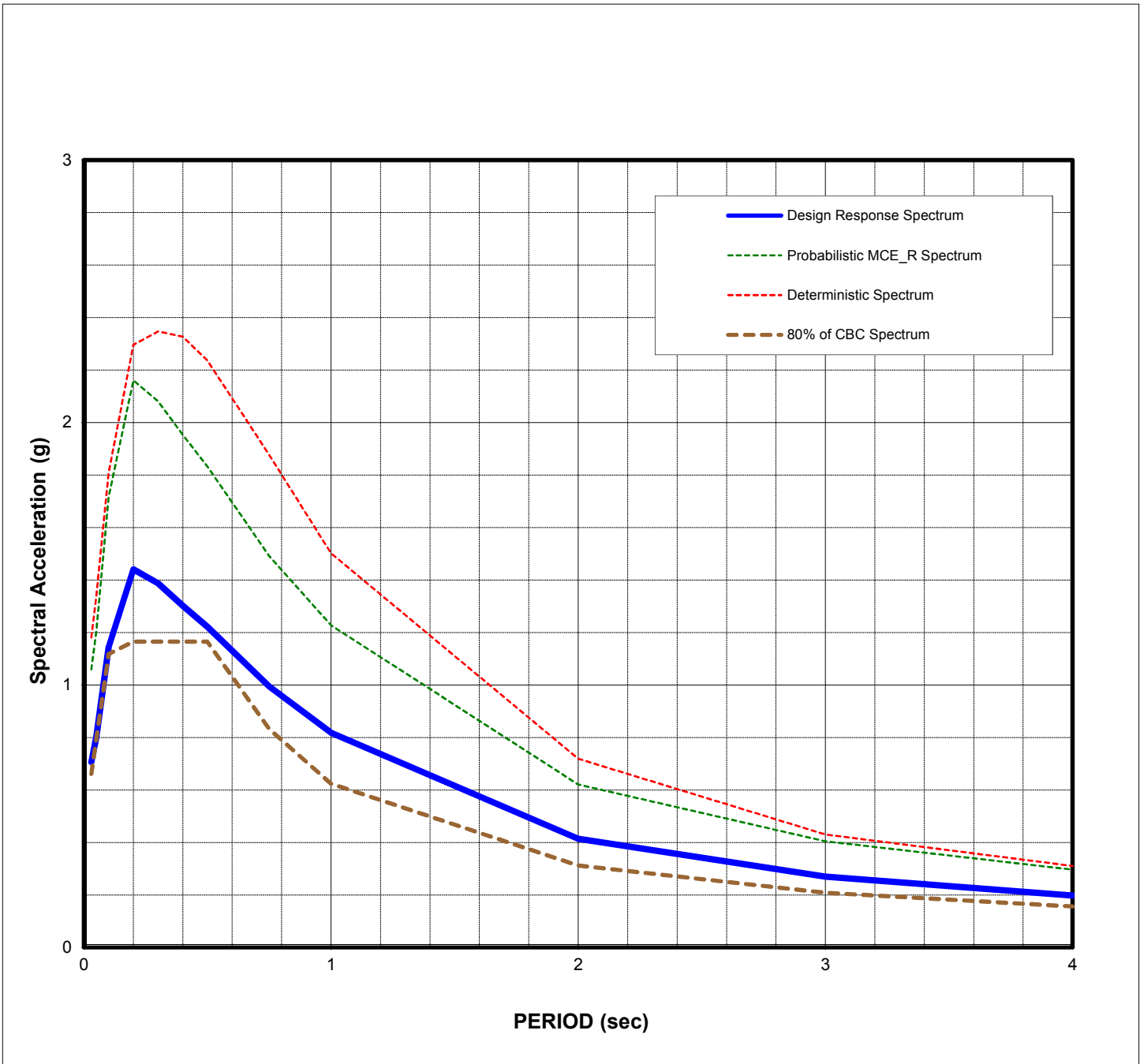
**Table No. 5, Site-Specific Response Spectrum Data**

Period (sec)	2% in 50yr Probabilistic Spectral Acceleration (g)	Risk Coefficient $C_R$	Probabilistic MCE <sub>R</sub> Spectral Acceleration (g)	84th Percentile Deterministic MCE Response Spectra, (g)	Deterministic CBC Lower Level, (g)	Site Specific MCE <sub>R</sub> Spectral Acceleration (g)	80% CBC Design Response Spectrum	Site Specific Design Spectral Acceleration (g)
0.03	1.047	1.012	1.060	1.181	0.225	1.060	0.662	<b>0.71</b>
0.05	1.187	1.012	1.201	1.338	0.375	1.201	0.792	<b>0.80</b>
0.10	1.696	1.012	1.716	1.808	0.750	1.716	1.118	<b>1.14</b>
0.20	2.135	1.012	2.161	2.296	1.500	2.161	1.165	<b>1.44</b>
0.30	2.053	1.013	2.080	2.347	1.500	2.080	1.165	<b>1.39</b>
0.40	1.925	1.015	1.953	2.327	1.500	1.953	1.165	<b>1.30</b>
0.50	1.804	1.016	1.832	2.236	1.500	1.832	1.165	<b>1.22</b>
0.75	1.463	1.019	1.491	1.877	1.200	1.491	0.832	<b>0.99</b>
1.00	1.201	1.022	1.227	1.502	0.900	1.227	0.624	<b>0.82</b>
2.00	0.608	1.022	0.621	0.719	0.450	0.621	0.312	<b>0.41</b>
3.00	0.395	1.022	0.404	0.431	0.300	0.404	0.208	<b>0.27</b>
4.00	0.290	1.022	0.296	0.310	0.225	0.296	0.156	<b>0.20</b>

The site-specific design response parameters are provided in the following table. These parameters were determined from Design Response Spectra presented in table above, and following guidelines of ASCE Section 21.4.

**Table No. 6, Site-Specific Seismic Design Parameters**

Parameters	Value (5% Damping)	Lower Limit, 80% of CBC Design Spectra
Site-Specific 0.2-second period Spectral Response Acceleration, $S_{MS}$	2.161	1.747
Site-Specific 0.1-second period Spectral Response Acceleration, $S_{M1}$	1.243	0.936
Site-Specific Design Spectral Response Acceleration for short period $S_{DS}$	1.440	1.165
Site-Specific Design Spectral Response Acceleration for 0.1-second period, $S_{D1}$	0.828	0.624



Note: Calculated using EZFRISK program Risk Engineering, version 7.62 and USGS 2008 fault model database.

**SITE SPECIFIC DESIGN RESPONSE SPECTRUM**

Mt. SAC Transit Center Parking Lot D3  
 1100 N. Grand Avenue, Walnut, CA 91789  
 For : Mt. San Antonio College

Project Number:  
 17-31241-01



**Converse Consultants**

Drawing No.

8

## 7.0 GEOTECHNICAL EVALUATIONS AND CONCLUSIONS

Based on the results of our background review, subsurface exploration, laboratory testing, geotechnical analyses, and understanding of the planned site development, it is our opinion that the proposed project is feasible from a geotechnical standpoint, provided the following conclusions and recommendations are incorporated into the project plans, specifications, and are followed during site construction.

The following is a summary of the major geologic and geotechnical factors to be considered for the planned project:

- Undocumented fill soils 5 feet in thickness were encountered in the borings. Thicker fills or disturbed soils may exist at the site. The fill encountered consists primarily of silty sand, sandy silt and silt. The alluvial soil deposits below the fill primarily consist of silty sands, sandy silts, silty clay, clayey sands and sand.
- The upper five (5) feet of soils have a “Very Low” to “Medium” expansion potential. Mitigation for expansive soil may be necessary.
- During our exploration, groundwater was encountered at depths ranging from 36.8 feet below ground surface (bgs).
- The project site is not located within a currently designated State of California Earthquake Fault Zone (formerly Alquist-Priolo Special Studies Zones) for surface fault rupture. The Alquist-Priolo Earthquake Fault Zoning Act requires the California Geological Survey to zone “active faults” within the State of California. The site can be expected to receive moderate to strong ground shaking from earthquakes on local and regional faults.
- The site is located within a mapped Seismic Hazard Zone for liquefaction. Liquefaction analyses were performed for the upper 50 feet below ground surface utilizing BH-1. The results of liquefaction analyses indicate the project site is not susceptible to liquefaction. The estimated potential seismic induced settlement is on the order of 0.62 inches with potential differential settlement of 0.31 inches for the span of 50 feet.
- The pH and chloride content soluble sulfate values of the sample tested are in the “non-corrosive” range. The resistivity is in the “corrosive” range, to ferrous metals.
- Shallow spread foundations are considered suitable for structure support of the planned development provided the recommendations in this report are incorporated into the project plans, specifications, and are followed during site construction.
- For non-building structures (e.g. signs, fence walls, short retaining walls, etc.), conventional footings can be used.

## **8.0 EARTHWORK AND SITE GRADING RECOMMENDATIONS**

### **8.1 General Evaluation**

Based on our field exploration, laboratory testing, and analyses of subsurface conditions at the site, remedial grading will be required to prepare the sites for support of the proposed structures that are constructed with conventional shallow footings. To reduce differential settlement, variations in the soil type, degree of compaction, and thickness of compacted fill, the thickness of compacted fill placed underneath the new shallow footings should be kept uniform.

Site grading recommendations provided below are based on our experience with similar projects in the area and our evaluation of this investigation. Site preparation for the proposed development will require removal of existing structures, pavements, slabs, sidewalks, trees and vegetation, planters, improvements, and other existing underground manmade structures and utilities.

The site soils can be excavated utilizing conventional heavy-duty earth-moving equipment. The excavated site soils, free of vegetation, organics and debris, may be placed as compacted fill in structural areas after proper processing. Rocks larger than three (3) inches in the largest dimension should not be placed as fill.

On-site fine-grained soils and with an expansion index exceeding 20 should not be re-used for compaction within 2 feet below the proposed shallow foundations and slabs on grade. Soils containing organic materials should not be used as structural fill. The extent of removal should be determined by the geotechnical representative based on soil observation during grading.

### **8.2 Over-Excavation**

Prior to the start of construction, all loose soils, fill and soils disturbed during demolition should be removed to firm acceptable native materials or compacted fills. In order to provide uniform support for the structures on shallow foundations, the minimum depth of over-excavation should be 5 feet below the ground surface, or depth of undocumented fill, whichever is deeper. The over-excavation should provide at least 3 feet of properly compacted fill beneath the bottom of the elevator tower foundations. Deeper over-excavation will be needed if soft, yielding soils or fill soils are exposed on the excavation bottom. Over-excavation should extend at least five (5) feet laterally beyond the limits of footings or as limited by the existing structures.

Over excavation beneath slabs on grade, pavements and hardscape areas should be a minimum of 3 feet below the ground surface and extend at least 3 feet laterally. Excavation activities should not disturb existing utilities, buildings, sidewalks and remaining structures. The ABC slot cutting method for retaining walls and excavation



adjacent to existing structures could be a possible option as an alternative to shoring for excavation less than 8 feet in depth and width or with cohesive soils.

The final bottom surfaces of all excavations shall be observed and approved by the project geotechnical engineer or his representative prior to placing and compacted fill. All fill should be placed on competent native materials or properly compacted fill as determined by the project geotechnical engineer or his representative. Localized deeper removals may be needed where firm and unyielding native soils are not exposed on the excavation bottoms.

The exposed bottom of the over-excavation area should be scarified at least 6 inches, moisture conditioned as needed to near-optimum moisture content, and compacted to 90 percent relative compaction. Over-excavation should not undermine adjacent improvements. Remedial grading should not extend within a projected 1:1 (horizontal to vertical) plane projected down from the outer edge of adjacent improvements. If loose, yielding soil conditions are encountered at the excavation bottom, the following options can be considered:

- a. Over-excavate until reach firm bottom.
- b. Scarify or over-excavate additional 18 inches deep, and then place at least 18-inch-thick compacted base material (CAB or equivalent) to bridge the soft bottom. Base should be compacted to 95% relative compaction.
- c. Over-excavate additional 18 inches deep, and then place a layer of geofabric i.e. Mirafi HP570, X600 or equivalent), place 18-inch-thick compacted base material (CAB or equivalent) to bridge the soft bottom. Base should be compacted to 95% relative compaction. An additional layer of geofabric may be needed on top of base depending on the actual site conditions.

The actual depth of removal should be based on recommendations and observation made during grading by the project geotechnical engineer or his representative. Therefore, some variations in the depth and lateral extent of over-excavation recommended in this report should be anticipated.

### **8.3 Structural Fill**

Following observation of the excavation bottom, subgrade soil surfaces should be scarified to a depth of at least six inches. The scarified soil should be moisture-conditioned within three (3) percent of optimum moisture for granular soils and to approximate three (3) percent above the optimum moisture for fine-grained soil. Scarified soil shall be mixed and compacted to a minimum 90 percent of the laboratory maximum dry density as determined by the ASTM Standard D1557 test method.

Any import fill should be tested and approved by Project Geotechnical Consultant. The import fill should have an expansion potential less than 20. The imported materials should be thoroughly mixed and moisture conditioned within three (3) percent above the optimum

moisture. All fill, if not specified otherwise elsewhere in this report, should be compacted to at least 90 percent of the laboratory dry density in accordance with the ASTM Standard D1557 test method.

Where the fill is not within the areas specified above or is not to support any structures, excavated site soils, free of deleterious materials and rock particles larger than three inches in the largest dimension, should be suitable for placement as compacted fill. The site materials should be thoroughly mixed and moisture conditioned to approximate three percent above the optimum moisture, and then compacted to at least 90 percent of relative compaction.

#### **8.4 Excavatability**

Based on our field exploration, the earth materials at the site should be excavatable with conventional heavy-duty earth moving and trenching equipment. Some gravel and bedrock fragments in the soil materials should be expected during excavation.

#### **8.5 Pipeline backfill Recommendations**

Any soft and/or unsuitable material encountered at the pipe invert should be removed and replaced with an adequate bedding material. The pipe subgrade should be level, firm, uniform and free of loose materials, and properly graded to provide uniform bearing and support to the entire section of the pipe placed on bedding material. Producing oversize particles larger than two (2) in the largest dimension, if any, should be removed from the trench bottom and replaced with compacted materials. During the digging of depressions for proper sealing of the pipe joints, the pipe should rest on a prepared bottom for as near its full length as is practicable. The bedding zone is defined as that portion of the pipe trench from four inches below the pipe invert to one foot above the top of pipe, in accordance with section 306-1.2.1 of the latest edition of the Standard Specifications for public Works Construction (SSPWC)

#### **8.6 Trench Zone Backfill**

The trench zone is defined as the portion of the trench above the pipe bedding extending up to the final grade level of the trench surface.

The following specifications are recommended to provide a basis for quality control during the placement of trench backfill.

Trench excavations to receive backfill shall be free of trash, debris or other unsatisfactory materials at the time of backfill placement. Excavated on-site soils free of oversize particles, defined as larger than one (1) inch in maximum dimension in the upper 12 inches of subgrade soils and larger than three (3) inches in the largest dimension in the trench backfill below, and deleterious matter after proper processing may be used to backfill the trench zone. Imported trench backfill, if used, should be approved by the

project soils consultant prior to delivery at the site. No more than 30 percent of the backfill volume should be larger than  $\frac{3}{4}$  inch in the largest dimension.

Trench backfill shall be compacted to 90 percent of the laboratory maximum dry density as per ASTM Standard D1557 test method. At least the upper twelve (12) inches of trench underlying pavements should be compacted to at least 95 percent of the laboratory maximum dry density.

Trench backfill shall be compacted by mechanical methods, such as sheepsfoot, vibrating or pneumatic rollers, or mechanical tampers, to achieve the density specified herein. The backfill materials shall be brought to within three (3) percent of optimum moisture content and then placed in horizontal layers if the expansion index is less than or equal to 30. Should the expansion index be greater than 30, backfill materials shall be brought to approximately 3 percent above optimum moisture content. The thickness of uncompacted layers should not exceed eight (8) inches. Each layer shall be evenly spread, moistened or dried as necessary, and then tamped or rolled until the specified density has been achieved.

The contractor shall select the equipment and processes to be used to achieve the specified density without damage to adjacent ground and completed work. The field density of the compacted soil shall be measured by the ASTM Standard D1556 or ASTM Standard D2922 test methods or equivalent. Observation and field tests should be performed by Converse during construction to confirm that the required degree of compaction has been obtained. Where compaction is less than that specified, additional compactive effort shall be made with adjustment of the moisture content as necessary, until the specified compaction is obtained. It should be the responsibility of the contractor to maintain safe conditions during cut and/or fill operations. Trench backfill shall not be placed, spread or rolled during unfavorable weather conditions. When the work is interrupted by heavy rain, fill operations shall not be resumed until field tests by the project's geotechnical consultant indicate that the moisture content and density of the fill are as previously specified.

#### 8.6.1 Select Imported Fill Materials for Trench Zone Backfill

Imported soils, if any, used as compacted trench backfill should be predominantly granular and meet the following criteria:

- Expansion Index less than 20
- Free of all deleterious materials
- Contain no particles larger than 3 inches in the largest dimension
- Contain less than 30 percent by weight retained on  $\frac{3}{4}$ -inch sieve
- Contain at least 15 percent fines (passing #200 sieve)
- Have a Plasticity Index of 10 or less

Any import fill should be tested and approved by the geotechnical representative prior to delivery to the site.

## **8.7 Expansive Soil Mitigation**

Based on the laboratory test results, the near-surface earth materials have a Low expansion potential. The on-site soil materials will be mixed during the grading and the expansion potential might change. Therefore, the expansion potential of site soils should be verified after the grading as slabs, foundations and pavement placed directly on expansive subgrade soil will likely crack over time.

## **8.8 Shrinkage and Subsidence**

Soil shrinkage and/or bulking as a result of remedial grading depends on several factors including the depth of over-excavation, and the grading method and equipment utilized, and average relative compaction. For preliminary estimation, bulking and shrinkage factors for various units of earth material at the site may be taken as presented below:

- The approximate shrinkage factor for the native alluvial soils is estimated to range from five (5) to fifteen (15) percent.
- For estimation purposes, ground subsidence may be taken as 0.15 feet as a result of remedial grading.

Although these values are only approximate, they represent our best estimates of the factors to be used to calculate lost volume that may occur during grading. If more accurate shrinkage and subsidence factors are needed, it is recommended that field-testing using the actual equipment and grading techniques be conducted.

## **8.9 Subgrade Preparation**

Final subgrade soils for structures should be uniform and non-yielding. To obtain a uniform subgrade, soils should be well mixed and uniformly compacted. The subgrade soils should be non-expansive and well-drained. The near-surface site soils should be free draining. We recommend that at least the upper two (2) inches of subgrade soils underneath the slab-on-grade should be comprised of well-drained granular soils such as sands, gravel or crushed aggregate satisfying the following criteria:

- Maximum size  $\leq$  1.5 inches
- Percent passing U.S. #200 sieve  $\leq$  12 percent
- Sand equivalent  $\geq$  30
- The subgrade soils should be moisture conditioned before placing concrete.

## **9.0 DESIGN RECOMMENDATIONS**

### **9.1 General Evaluation**

Based on the results of our background review, subsurface exploration, laboratory testing, geotechnical analyses, and understanding of the planned site development, it is our opinion that the proposed project is feasible from a geotechnical standpoint, provided the following conclusions and recommendations are incorporated into the project plans, specifications, and are followed during site construction. The proposed structures and site improvements may be supported by shallow continuous or isolated square footings.

### **9.2 Shallow Foundations**

#### 9.2.1 Shallow Spread Footing Design Parameters

Design of conventional spread footings for the addition founded on firm native soil or compacted fill may be designed for a net bearing pressure of 2,000 pounds per square foot. The minimum embedment depth of spread footings should be at least 24 inches below lowest adjacent final grade. Continuous footings and isolated pad footings should have a minimum width of 24 inches. The net allowable bearing pressure can be increased by 250 psf for each additional foot of excavation depth and by 250 psf for each additional foot of excavation width up to a maximum value of 3,000 psf.

The allowable net bearing values indicated above are for the dead loads and frequently applied live loads and are obtained by applying a factor of safety of 3.0 to the net ultimate bearing capacity. An ultimate bearing value of 9,000 pounds per square foot may be used.

If normal code requirements are applied for design, the above vertical bearing value may be increased by 33 percent for short duration loadings, which will include loadings induced by wind or seismic forces.

Resistance to lateral loads can be provided by friction acting at the base of the foundation and by passive earth pressure. A coefficient of friction of 0.35 may be assumed with normal dead load forces. An allowable passive earth pressure of 250 psf per foot of depth up to a maximum of 2,000 psf may be used for footings poured against properly compacted fill. The values of coefficient of friction and allowable passive earth pressure include a factor of safety of 1.5.

#### 9.2.2 Settlement

The static settlement of structures supported on continuous and/or spread footings founded on compacted fill and native soil will depend on the actual footing dimensions and the imposed vertical loads. Most of the footing settlement at the project site is expected to occur immediately after the application of the load. Based on the maximum

allowable net bearing pressures presented above, static settlement is anticipated to be less than 1.0 inch. Differential settlement is expected to be up to one-half of the total settlement over a 30-foot span.

### 9.2.3 Dynamic Increases

Bearing values indicated above are for total dead load and frequently applied live loads. The above vertical bearing may be increased by 33% for short durations of loading which will include the effect of wind or seismic forces. The allowable passive pressure may be increased by 33% for lateral loading due to wind or seismic forces.

### **9.3 Modulus of Subgrade Reaction**

For the subject project, design of the structures supported on compacted fill subgrade prepared in accordance with the recommendations provided in this report may be based on a soil modulus of subgrade reaction of ( $k_s$ ) of 150 pounds per square inch per inch.

### **9.4 Lateral Earth Pressure**

The following provisional design values may be used for any utility vaults and/or walls below grade that are less than 6 feet high.

The earth pressure behind any buried wall depends primarily on the allowable wall movement, type of soil behind the wall, backfill slopes, wall inclination, surcharges, and any hydrostatic pressure. The following earth pressures are recommended for vertical walls with no hydrostatic pressure.

**Table No. 7, Lateral Earth Pressures for Retaining Wall Design**

Backfill Slope (H:V)	Cantilever Wall Equivalent Fluid Pressure (psf)	Restrained Wall Equivalent Fluid Pressure (psf)
Level	42 (triangular pressure distribution)	55 (triangular pressure distribution)

The recommended lateral pressures assume that the walls are fully back-drained to prevent build-up of hydrostatic pressure. Adequate drainage could be provided by means of permeable drainage materials wrapped in filter fabric installed behind the walls. The drainage system should consist of perforated pipe surrounded by a minimum one (1) square feet per lineal feet of free draining, uniformly graded, permeable material aggregate, and wrapped in filter fabric such as Mirafi 140N or equivalent. The filter fabric should overlap approximately 12 inches or more at the joints. The subdrain pipe should consist of perforated, four-inch diameter, rigid Schedule 40 PVC or ABS (SDR-35) or equivalent, with perforations placed down. Alternatively, a prefabricated drainage composite system such as the Miradrain G100N or equivalent can be used. The subdrain should be connected to solid pipe outlets, with a maximum outlet spacing of 100 feet. Waterproofing membranes should be added to the subterranean wall levels for moisture sensitive areas to mitigate moisture migration through the walls.

In addition, walls with inclined backfill should be designed for an additional equivalent fluid pressure of one (1) pound per cubic foot for every two (2) degrees of slope inclination. Walls subjected to surcharge loads located within a distance equal to the height of the wall should be designed for an additional uniform lateral pressure equal to one-third or one-half the anticipated surcharge load for unrestrained or restrained walls, respectively. These values are applicable for backfill placed between the wall stem and an imaginary plane rising 45 degrees from below the edge (heel) of the wall footings.

Retaining walls taller than 6 feet should be designed to resist additional earth pressure caused by seismic ground shaking based on Section 1615A.1.6 of CBC 2016. A seismic earth pressure of 22H (psf), based on an inverted triangular distribution, can be used for design of wall.

### 9.5 Slabs-on-grade

Slabs-on-grade should have a minimum thickness of five (5) inches nominal for support of normal ground-floor live loads. Minimum reinforcement for slabs-on-grade should be No. 3 reinforcing bars, spaced at 18 inches on-center each way. The thickness and reinforcement of more heavily loaded slabs will be dependent upon the anticipated loads and should be designed by a structural engineer. A static modulus of subgrade reaction equal to 150 pounds per square inch per inch may be used in structural design of concrete slabs-on-grade.

It is critical that the exposed subgrade soils should not be allowed to desiccate prior to the slab pour. Care should be taken during concrete placement to avoid slab curling. Slabs should be designed and constructed as promulgated by the ACI and Portland Cement Association (PCA). Prior to the slab pour, all utility trenches should be properly backfilled and compacted.

### 9.6 Soil Corrosivity Evaluation

Converse retained the Environmental Geotechnology Laboratory, Inc., located in Arcadia, California, to test one (1) sample taken in the general area of the proposed structures. The tests included minimum resistivity, pH, soluble sulfates, and chloride content, with the results summarized on the following table:

**Table No. 8, Soil Corrosivity Test Results**

Boring No.	Sample Depth (feet)	pH (Caltrans 643)	Soluble Chlorides (Caltrans 422) ppm	Soluble Sulfate (Caltrans 417) % by Weight	Saturated Resistivity (Caltrans 532) Ohm-cm
BH-1	10'	6.97	270	0.001	1,200

In accordance with the Caltrans Corrosive Guidelines (2012), the pH, soluble sulfate and chloride content values of the sample tested are in the “non-corrosive” range. The resistivity is in the slightly “corrosive” range, to ferrous metals. Mitigation measures to protect concrete in contact with the soils should be anticipated. Type I or II Portland Cement may be used for the construction of the foundations and slabs.

The test results presented herein are considered preliminary. If advanced corrosivity study is desired by the design team, a corrosion engineer can be consulted for appropriate mitigation procedures and construction design.

**9.7 Flexible Pavement**

The flexible pavement structural section design recommendations were performed in accordance with the method contained in the *CALTRANS Highway Design Manual*, Chapter 630 without the factor of safety. No specific traffic study was performed to determine the Traffic Index (TI) for the proposed project, therefore a wide range of TI values were evaluated.

Due to various earth materials encountered at the site, flexible pavement structural section recommendations are prepared for both subgrade soils. We recommend that the project structural engineer consider the traffic loading conditions at various locations and select the appropriate pavement sections from the following table:

**Table No. 9, Flexible Pavement Structural Sections**

Design R-value	Design TI	Asphalt Concrete (AC) Over Aggregate Base (AB) Structural Sections		Full AC Structural Section
		AC (inches)	AB (inches)	AC (inches)
14	4	3.0	4.5	5.0
	5	4.0	6.0	6.5
	6	5.0	7.5	8.0
	7	6.0	9.5	9.5
	8	7.0	10.5	11
	10	9.0	14	14.5

Base material shall conform to requirements for Crushed Miscellaneous Base (CMB) or equivalent and should be placed in accordance with the requirements of the Standard Specifications for Public Works Construction (SSPWC, latest Edition). Asphaltic materials should conform to Section 203-1, "Paving Asphalt," of the Standard Specifications for Public Works Construction (SSPWC, latest Edition) and should be placed in accordance with Section 302-5, "Asphalt Concrete Pavement," of the SSPWC, 2012 edition.

Positive drainage should be provided away from all pavement areas to prevent seepage of surface and/or subsurface water into the pavement base and/or subgrade.



## 9.8 Rigid Pavement

Rigid pavement design recommendations were provided in accordance with the Portland Cement Association's (PCA) Southwest Region Publication P-14, Portland Cement Concrete Pavement (PCCP) for Light, Medium and Heavy Traffic Rigid Pavement. We recommend that the project structural engineer consider the loading conditions at various locations and select the appropriate pavement sections from the following table:

**Table No. 10 Rigid Pavement Structural Sections**

Design R-Value	Design Traffic Index (TI)	PCCP Pavement Section (inches)	Aggregate Base (AB) (inches)
14	< 6	7.5	4
	8	8.0	4
	10	9	4

The above pavement section is based on a minimum 28-day Modulus of Rupture (M-R) of 550 psi and a compressive strength of 3,750 psi. The third point method of testing beams should be used to evaluate modulus of rupture. The concrete mix design should contain a minimum cement content of 5.5 sacks per cubic yard. Recommended maximum and minimum values of slump for pavement concrete are three inches to one inch, respectively.

Transverse contraction joints should not be spaced more than 10 feet and should be cut to a depth of ¼ the thickness of the slab. Longitudinal joints should not be spaced more than 12 feet apart. A longitudinal joint is not necessary in the pavement adjacent to the curb and gutter section.

Prior to placement of concrete, at least the upper 12 inches of subgrade soils below rigid pavement sections should be compacted to at least 95 percent relative compaction as defined by the ASTM D 1557 standard test method.

Positive drainage should be provided away from all pavement areas to prevent seepage of surface and/or subsurface water into pavement base and/or subgrade.

## 9.9 Site Drainage

Adequate positive drainage should be provided away from the structures to prevent ponding and to reduce percolation of water into structural backfill. We recommend that the landscape area immediately adjacent to the foundation shall be designed sloped away from the building with a minimum 5% slope gradient for at least 10 feet measured perpendicular to the face of the wall. Impervious surfaces within 10 feet of the foundation shall have a minimum 2 percent slope away from the building per 2016 CBC.

Planters and landscaped areas adjacent to the building perimeter should be designed to minimize water infiltration into the subgrade soils.

## 10.0 CONSTRUCTION CONSIDERATIONS

### 10.1 General

Site soils should be excavatable using conventional heavy-duty excavating equipment. Temporary sloped excavation is feasible if performed in accordance with the slope ratios provided in Section 10.2, *Temporary Excavations*. Existing utilities should be accurately located and either protected or removed as required. For steeper temporary construction slopes or deeper excavations, shoring should be provided by the contractor as necessary, to protect the workers in the excavation.

### 10.2 Temporary Excavations

Based on the sandy materials encountered in the exploratory borings, sloped temporary excavations (if necessary) may be constructed according to the slope ratios presented in Table No. 11, *Slope Ratios for Temporary Excavations*. Any loose utility trench backfill or other fill encountered in excavations will be less stable than the native soils. Temporary cuts encountering loose fill or loose dry sand may have to be constructed at a flatter gradient than presented in the following table:

**Table No. 11, Slope Ratios for Temporary Excavations**

Maximum Depth of Cut (feet)	Maximum Slope Ratio* (horizontal: vertical)
0 – 4	vertical
4 – 8	1:1
8+	1.5:1

\*Slope ratio assumed to be uniform from top to toe of slope.

Surfaces exposed in slope excavations should be kept moist but not saturated to minimize raveling and sloughing during construction. Adequate provisions should be made to protect the slopes from erosion during periods of rainfall. Surcharge loads, including construction, should not be placed within five (5) feet of the unsupported trench edge. The above maximum slopes are based on a maximum height of six (6) feet of stockpiled soils placed at least five (5) feet from the trench edge.

All applicable requirements of the California Construction and General Industry Safety Orders, the Occupational Safety and Health Act of 1987 and current amendments, and the Construction Safety Act should be met. The soils exposed in cuts should be observed during excavation by the project's geotechnical consultant. If potentially unstable soil conditions are encountered, modifications of slope ratios for temporary cuts may be required.

### **10.3 Slot Cut Recommendations**

Temporary excavations during possible improvements should not extend below a 1:1 (horizontal:vertical) plane extending beyond and down from the bottom of the existing utility lines or structures. The remedial grading excavations should not cause loss of bearing and/or lateral support for adjacent utilities or structures.

If remedial grading excavations extend below a 1:1 horizontal:vertical (H:V) plane extending beyond and down from the bottom of adjacent off-site utility lines or structure foundations, shoring or slot cutting shall be employed. "A-B-C" slot cuts exposing native sandy soils may be excavated with maximum 8 feet wide sections to prevent the existing utility lines or off-site structures from becoming unstable. Backfill should be accomplished in the shortest period of time possible and in alternating sections.

The ABC slot cutting method for retaining walls could be a possible option as an alternative to shoring for excavation less than 8 feet or with cohesive soils. In general, for structures, it is not recommended for slot cutting if the height of excavation exceeds more than 8 feet or into sandy soils and with surcharging load.

### **10.4 Geotechnical Services During Construction**

This report has been prepared to aid in the site preparation and site grading plans and specifications, and to assist the architect, civil and structural engineers in the design of the proposed structure. It is recommended that this office be provided an opportunity to review final design drawings and specifications to verify that the recommendations of this report have been properly implemented.

Recommendations presented herein are based upon the assumption that adequate earthwork monitoring will be provided by Converse. Excavation bottoms should be observed by a Converse representative prior to the placement of compacted fill. Structural fill and backfill should be placed and compacted during continuous observation and testing by this office. Footing excavations should be observed by Converse prior to placement of steel and concrete so that footings are founded on satisfactory materials and excavations are free of loose and disturbed materials.

During construction, the geotechnical engineer and/or their authorized representatives should be present at the site to provide a source of advice to the client regarding the geotechnical aspects of the project and to observe and test the earthwork performed. Their presence should not be construed as an acceptance of responsibility for the performance of the completed work, since it is the sole responsibility of the contractor performing the work to ensure that it complies with all applicable plans, specifications, ordinances, etc.

This firm does not practice or consult in the field of safety engineering. We do not direct the contractor's operations, and cannot be responsible for other than our own personnel

on the site; therefore, the safety of others is the responsibility of the contractor. The contractor should notify the owner if he considers any recommended actions presented herein to be unsafe.

## 11.0 CLOSURE

The findings and recommendations of this report were prepared in accordance with generally accepted professional engineering and engineering geologic principles and practice. We make no other warranty, either expressed or implied. Our conclusions and recommendations are based on the results of the field and laboratory investigations, combined with an interpolation and extrapolation of soil conditions between and beyond boring locations. If conditions encountered during construction appear to be different from those shown by the borings, this office should be notified.

Design recommendations given in this report are based on the assumption that the earthwork and site grading recommendations contained in this report are implemented. Additional consultation may be prudent to interpret Converse's findings for contractors, or to possibly refine these recommendations based upon the review of the final site grading and actual site conditions encountered during construction. If the scope of the project changes, if project completion is to be delayed, or if the report is to be used for another purpose, this office should be consulted.

This report was prepared for Mt. San Antonio College for the subject project described herein. We are not responsible for technical interpretations made by others of our exploratory information. Specific questions or interpretations concerning our findings and conclusions may require a written clarification to avoid future misunderstandings.

## 12.0 REFERENCES

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# Appendix A

Field Exploration



## APPENDIX A: FIELD EXPLORATION

Field exploration included an initial site reconnaissance, and subsurface drilling. During the site reconnaissance, surface conditions were noted and the locations of the test borings were determined. Borings were approximately located using existing features as a guide.

Three (3) exploratory borings (BH-1 through BH-3) were drilled within the project site on August 15, 2017. The borings were advanced using a truck mounted drill rig with an 8-inch diameter hollow stem auger to a maximum depth of 51.5 feet below the existing ground surface (bgs). Each boring was visually logged by a Converse geologist and sampled at regular intervals and at changes in subsurface soils, in accordance with the Unified Soil Classification System. Field descriptions have been modified, where appropriate, to reflect laboratory test results.

Relatively undisturbed ring and bulk samples of the subsurface soils were obtained at frequent intervals in the borings. The undisturbed samples were obtained using a California Steel Sampler (2.4 inches inside diameter and 3.0 inches outside diameter) lined with thin sample rings. The sampler was driven into the bottom of the boreholes with successive drops of a 140-pound hammer falling 30 inches by means of a mechanically driven pulley. The number of successive drops of the driving weight ("blows") required for every 6-inch of penetration of the sampler are shown on the Logs of Borings in the "blows" column.

The soil was retained in brass rings (2.4 inches in diameter and one inch in height). The central portion of the sample was retained and carefully sealed in waterproof plastic containers for shipment to the laboratory. Bulk soil samples were also collected in plastic bags and brought to the laboratory.

Standard Penetration Tests (SPTs) were also performed. In this test, a standard split-spoon sampler (1.4 inches inside diameter and 2.0 inches outside diameter) was driven into the ground with successive drops of a 140-pound hammer falling 30 inches by means of an automatic hammer. The number of successive drops of the driving weight ("blows") required for every 6-inch of penetration of the sampler are shown on the Logs of Borings in the "blows" column. The soil retrieved from the spoon sampler was carefully sealed in waterproof plastic containers for shipment to the laboratory.

It should be noted that the exact depths at which material changes occur cannot always be established accurately. Changes in material conditions that occur between driven samples are indicated in the logs at the top of the next drive sample. A key to soil symbols and terms is presented as Drawing No. A 1, *Soil Classification Chart*. The logs of the exploratory boring are presented in Drawing Nos. A-2a through A-4, *Log of Borings*.

# SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS	
			GRAPH	LETTER		
<b>COARSE GRAINED SOILS</b>  MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	<b>GRAVEL AND GRAVELLY SOILS</b>  MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	<b>CLEAN GRAVELS</b>  (LITTLE OR NO FINES)		<b>GW</b>	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES	
		<b>GRAVELS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)		<b>GP</b>	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES	
		<b>CLEAN SANDS</b>  (LITTLE OR NO FINES)		<b>SW</b>	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
		<b>SANDS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)		<b>SP</b>	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES	
	<b>SAND AND SANDY SOILS</b>  MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	<b>CLEAN SANDS</b>  (LITTLE OR NO FINES)		<b>SM</b>	SILTY SANDS, SAND - SILT MIXTURES	
		<b>SANDS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)		<b>SC</b>	CLAYEY SANDS, SAND - CLAY MIXTURES	
		<b>SILTS AND CLAYS</b>  LIQUID LIMIT LESS THAN 50	<b>CLEAN SANDS</b>  (LITTLE OR NO FINES)		<b>ML</b>	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			<b>SANDS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)		<b>CL</b>	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
<b>SANDS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)			<b>OL</b>	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		
<b>SILTS AND CLAYS</b>  LIQUID LIMIT GREATER THAN 50	<b>SANDS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)		<b>MH</b>	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS		
	<b>SANDS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)		<b>CH</b>	INORGANIC CLAYS OF HIGH PLASTICITY		
	<b>SANDS WITH FINES</b>  (APPRECIABLE AMOUNT OF FINES)		<b>OH</b>	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS		
<b>HIGHLY ORGANIC SOILS</b>				<b>PT</b>	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

### SAMPLE TYPE

	<b>STANDARD PENETRATION TEST</b> Split barrel sampler in accordance with ASTM D-1586-84 Standard Test Method
	<b>DRIVE SAMPLE</b> 2.42" I.D. sampler.
	<b>DRIVE SAMPLE</b> No recovery
	<b>BULK SAMPLE</b>
	<b>GRAB SAMPLE</b>
	<b>GROUNDWATER WHILE DRILLING</b>
	<b>GROUNDWATER AFTER DRILLING</b>

### BORING LOG SYMBOLS

LABORATORY TESTING ABBREVIATIONS		
<b>TEST TYPE</b> (Results shown in Appendix B)	<b>STRENGTH</b>	
	Pocket Penetrometer	p
	Direct Shear	ds
	Direct Shear (single point)	ds*
	Unconfined Compression	uc
	Triaxial Compression	tx
	Vane Shear	vs
<b>CLASSIFICATION</b>		
Plasticity	pi	
Grain Size Analysis	ma	
Passing No. 200 Sieve	wa	
Sand Equivalent	se	
Expansion Index	ei	
Compaction Curve	max	
Hydrometer	h	
	Consolidation	c
	Collapse Test	col
	Resistance (R) Value	r
	Chemical Analysis	ca
	Electrical Resistivity	er

## UNIFIED SOIL CLASSIFICATION AND KEY TO BORING LOG SYMBOLS



**Converse Consultants**

Project Name  
**PROPOSED PARKING LOT D-3 IMPROVEMENT PROJECT**  
**MT. SAN ANTONIO COLLEGE**  
**WALNUT, CALIFORNIA**

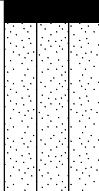

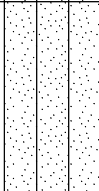

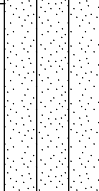

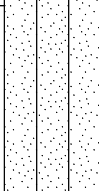

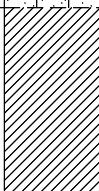

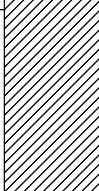

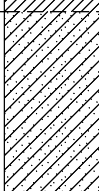

Project No. **17-31-241-01**      Figure No. **A-1**

# Log of Boring No. BH-1

Dates Drilled: 8/15/2017      Logged by: RAM      Checked By: MBS

Equipment: 8" HOLLOW STEM AUGER      Driving Weight and Drop: 140 lbs / 30 in

Ground Surface Elevation (ft): 749      Depth to Water (ft): 36.7

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS <small>This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.</small>	SAMPLES		BLOWS/6"	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
		<b>3" ASPHALT OVER 4" BASE - 0-5 FEET HAND AUGERED</b> <b>FILL (Af):</b> <b>SILTY SAND (SM):</b> light brown.						ma
5		<b>ALLUVIUM (Qal):</b> <b>SILTY SAND (SM):</b> fine to coarse-grained, light brown.			5/9/15	10	128	ds
10		-some gravels, light brown			14/19/29			
15		-trace small gravel, brown			18/25/37	14	117	
20		<b>SILTY CLAY (CL):</b> with gravels, brown.			8/15/20	14	122	
25		-trace small gravels, -light brown			4/5/8			
30		<b>CLAYEY SAND (CL):</b> with gravel, white brown.			15/37/50	12	117	



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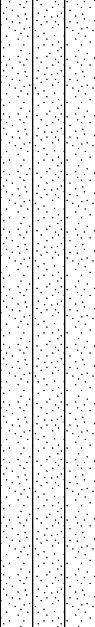
Figure No.  
 A-2a

# Log of Boring No. BH-1

Dates Drilled: 8/15/2017      Logged by: RAM      Checked By: MBS

Equipment: 8" HOLLOW STEM AUGER      Driving Weight and Drop: 140 lbs / 30 in

Ground Surface Elevation (ft): 749      Depth to Water (ft): 36.7

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS <small>This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.</small>	SAMPLES		BLOWS/6"	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
40		<b>SILTY SAND (SM):</b> fine to coarse-grained, with gravels, black and light brown. -groundwater seepage  -no recovery	█		50(6")			refusal
			█		50(3")			refusal
			X		50(4")			refusal
			█		50(4")			refusal
		End of boring at 51.5 feet. Groundwater encountered at 36.7 feet. Borehole backfilled with soil cuttings and patched with asphalt on 8-15-17.						



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
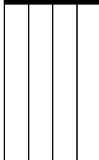
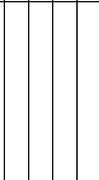

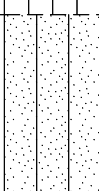

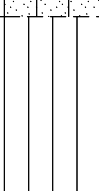



Figure No.  
 A-2b

# Log of Boring No. BH-2

Dates Drilled: 8/15/2017      Logged by: RAM      Checked By: MBS

Equipment: 8" HOLLOW STEM AUGER      Driving Weight and Drop: 140 lbs / 30 in

Ground Surface Elevation (ft): 746.5      Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS <small>This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.</small>	SAMPLES		BLOWS/6"	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
		<b>4" ASPHALT OVER 7" BASE - 0-5 FEET HAND AUGERED</b>						
		<b>FILL (Af):</b> <b>SILT (ML):</b> with gravel and rock, brown.						r
5		<b>ALLUVIUM (Qal):</b> <b>SILT (ML):</b> with gravels, brown.			6/6/6	13	116	
10		<b>SILTY SAND (SM):</b> fine to coarse-grained, light brown.			4/4/5	12	121	c
15		<b>SILT (ML):</b> with gravel, reddish brown.			8/20/30	15	113	
20		<b>SILTY SAND (SM):</b> white brown.			13/23/43	13	124	
		End of boring at 21.5 feet. Groundwater not encountered during drilling. Borehole backfilled with soil cuttings and patched with asphalt on 8-15-17.						



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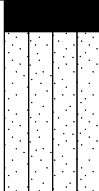



Figure No.  
A-3

# Log of Boring No. BH-3

Dates Drilled: 8/15/2017      Logged by: RAM      Checked By: MBS

Equipment: 8" HOLLOW STEM AUGER      Driving Weight and Drop: 140 lbs / 30 in

Ground Surface Elevation (ft): 742      Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS <small>This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.</small>	SAMPLES		BLOWS/6"	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
5		<b>5" ASPHALT OVER 5" BASE - 0-5 FEET HAND AUGERED</b> <b>FILL (Af):</b> <b>SANDY SILT (ML):</b> with gravels, light brown.						max
		<b>ALLUVIUM (Qal):</b> <b>SILT (ML):</b> with small trace gravels, light brown.			7/11/10	7	118	
10					12/17/25	5	126	
		End of boring at 11 feet. Groundwater not encountered during drilling. Borehole backfilled with soil cuttings and patched with asphalt on 8-15-17.						



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Figure No.  
 A-4

# Appendix B

Laboratory Testing Program

## APPENDIX B: LABORATORY TESTING PROGRAM

Tests were conducted in our laboratory on representative soil samples for the purpose of classification and evaluation of their relevant physical characteristics and engineering properties. The amount and selection of tests were based on the geotechnical requirements of the project. Test results are presented herein and on the Logs of Borings in Appendix A, *Field Exploration*. The following is a summary of the laboratory tests conducted for this project.

### B1.1 Moisture Content and Dry Density

Results of moisture content and dry density tests, performed on relatively undisturbed ring samples were used to aid in the classification of the soils and to provide quantitative measure of the *in situ* dry density. Data obtained from this test provides qualitative information on strength and compressibility characteristics of site soils. For test results, see the Logs of Borings in Appendix A, *Field Exploration*.

### B1.2 Grain-Size Analysis

To assist in classification of soils, mechanical grain-size analysis was performed on one (1) selected sample. Testing was performed in general accordance with the ASTM Standard C136 test method. Grain-size curves are shown in Drawing No. B-1, *Grain Size Distribution Results*.

### B1.3 Percent Finer Than Sieve No. 200

The percent finer than sieve No. 200 tests were performed on four (4) selected soil samples to aid in the classification of the on-site soils and to estimate other engineering parameters. Testing was performed in general accordance with the ASTM Standard D1140 test method. The test results are presented in the following table and boring logs.

**Table No. B-1, Summary of Percent Passing Sieve #200 Test Results**

Boring No.	Depth (feet)	Soil Classification	Percent Passing Sieve No. 200
BH-1	15	Silty Sand w/trace gravel (SM)	40
BH-1	30	Clayey Sand (SC)	36
BH-1	50	Silty Sand (SM)	22

\* Results from grain-size analysis

### B1.4 Maximum Dry Density Test\*

A laboratory maximum dry density-moisture content relationship test was performed on one (1) representative bulk sample. The test was conducted in accordance with ASTM Standard D1557 laboratory procedure. The test result is presented on Drawing No. B-2, *Moisture-Density Relationship Results*.



### B1.5 Direct Shear

Direct shear test was performed on one (1) undisturbed soil sample. The test was performed at soaked moisture conditions. For this test the sample, contained in brass sampler ring, was placed directly into the test apparatus and subjected to a range of normal loads appropriate for the anticipated conditions. The sample was then sheared at a constant strain rate of 0.02 inch/minute. Shear deformation was recorded until a maximum of about 0.25-inch shear displacement was achieved. Ultimate strength was selected from the shear-stress deformation data and plotted to determine the shear strength parameters. For test data, including sample density and moisture content, see Drawings No. B-3 *Direct Shear Test Result*, and in the following table:

**Table No. B-2, Direct Shear Test Results**

Boring No.	Depth (feet)	Soil Classification	Ultimate Strength Parameters	
			Friction Angle (degrees)	Cohesion (psf)
BH-1	5	Silty Sand (SM)	29	240

### B1.6 Consolidation Test

Consolidation test was performed on one (1) relatively undisturbed sample. Data obtained from this test was used to evaluate the settlement characteristics of the foundation soils under load. Preparation for this test involved trimming the sample and placing the one-inch high brass ring into the test apparatus, which contained porous stones, both top and bottom, to accommodate drainage during testing. Normal axial loads were applied to one end of the sample through the porous stones, and the resulting deflections were recorded at various time periods. The load was increased after the sample reached a reasonable state equilibrium. Normal loads were applied at a constant load-increment ratio, successive loads being generally twice the preceding load. The sample was tested at field and submerged conditions. The test results, including sample density and moisture content, are presented in Drawing No. B-4, *Consolidation Test Results*.

### B1.7 Soil Corrosivity

Converse retained the Environmental Geotechnology Laboratory, Inc., located in Arcadia, California, to test one (1) bulk soil sample taken in the general area of the proposed structures. The tests included minimum resistivity, pH, soluble sulfates, and chloride content, with the results summarized on the following table:

**Table No. B-3, Soil Corrosivity Test Results**

Boring No.	Sample Depth (feet)	pH (Caltrans 643)	Soluble Chlorides (Caltrans 422) ppm	Soluble Sulfate (Caltrans 417) % by Weight	Saturated Resistivity (Caltrans 532) Ohm-cm
BH-1	10'	6.97	270	0.001	1,200

**B1.8 R-value**

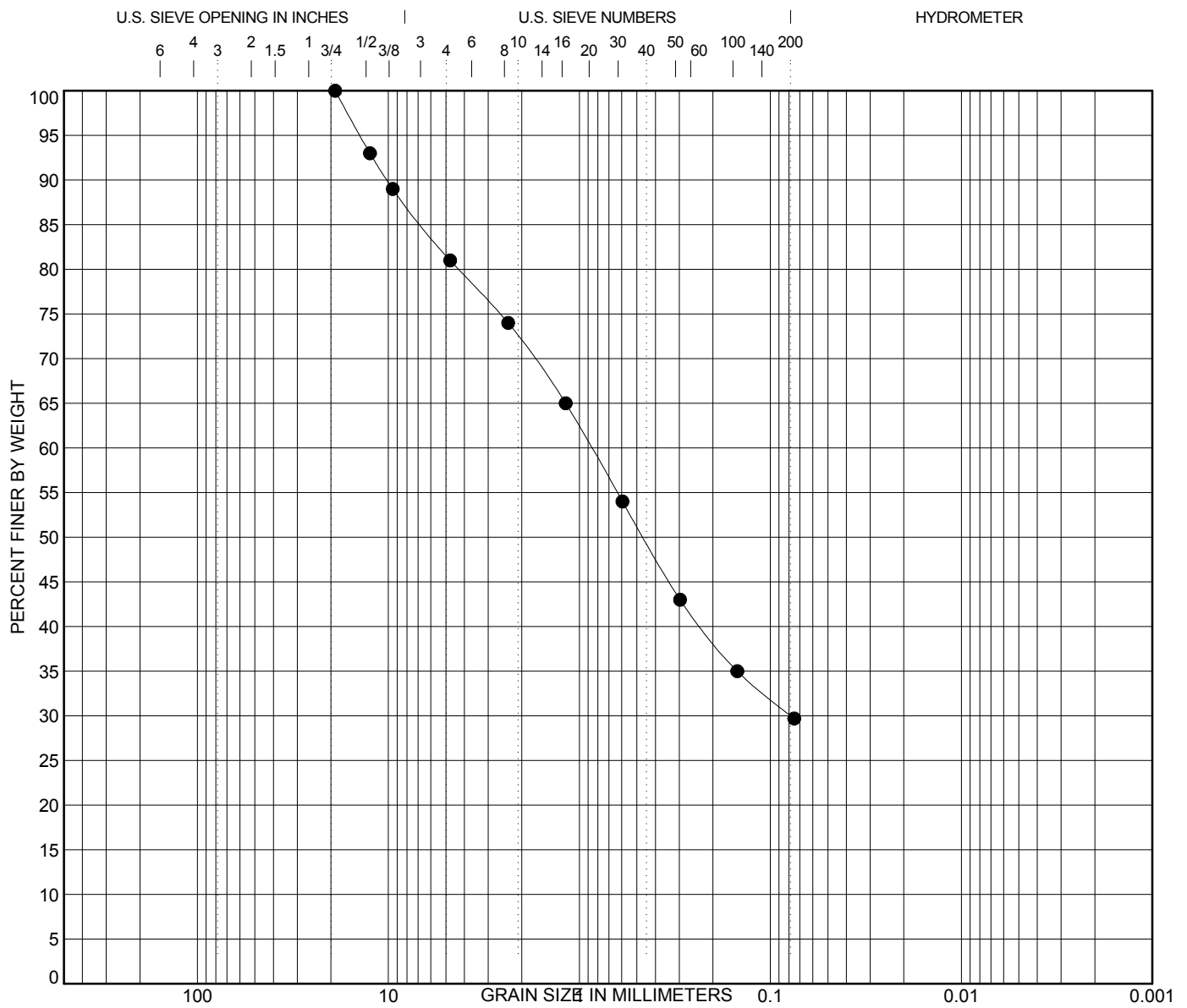
One (1) representative bulk soil sample was tested for resistance value (R-value) in accordance with ASTM D2844 Standard. This test is designed to provide a relative measure of soil strength for use in pavement design. The test results are shown in the following table:

**Table No. B-4, R-value Test Result**

Boring No.	Depth, ft	Soil Classification	Measured R-value
BH-2	1-5	Silt (ML)	14

**B1.9 Sample Storage**

Soil samples presently stored in our laboratory will be discarded 30 days after the date of this report, unless this office receives a specific request to retain the samples for a longer period.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring No.	Depth (ft)	Description					LL	PL	PI	Cc	Cu
● BH-1	5	SILTY SAND (SM)									
Boring No.	Depth (ft)	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
● BH-1	5	19	0.864	0.078		19.0	51.3	29.7			

### GRAIN SIZE DISTRIBUTION RESULTS

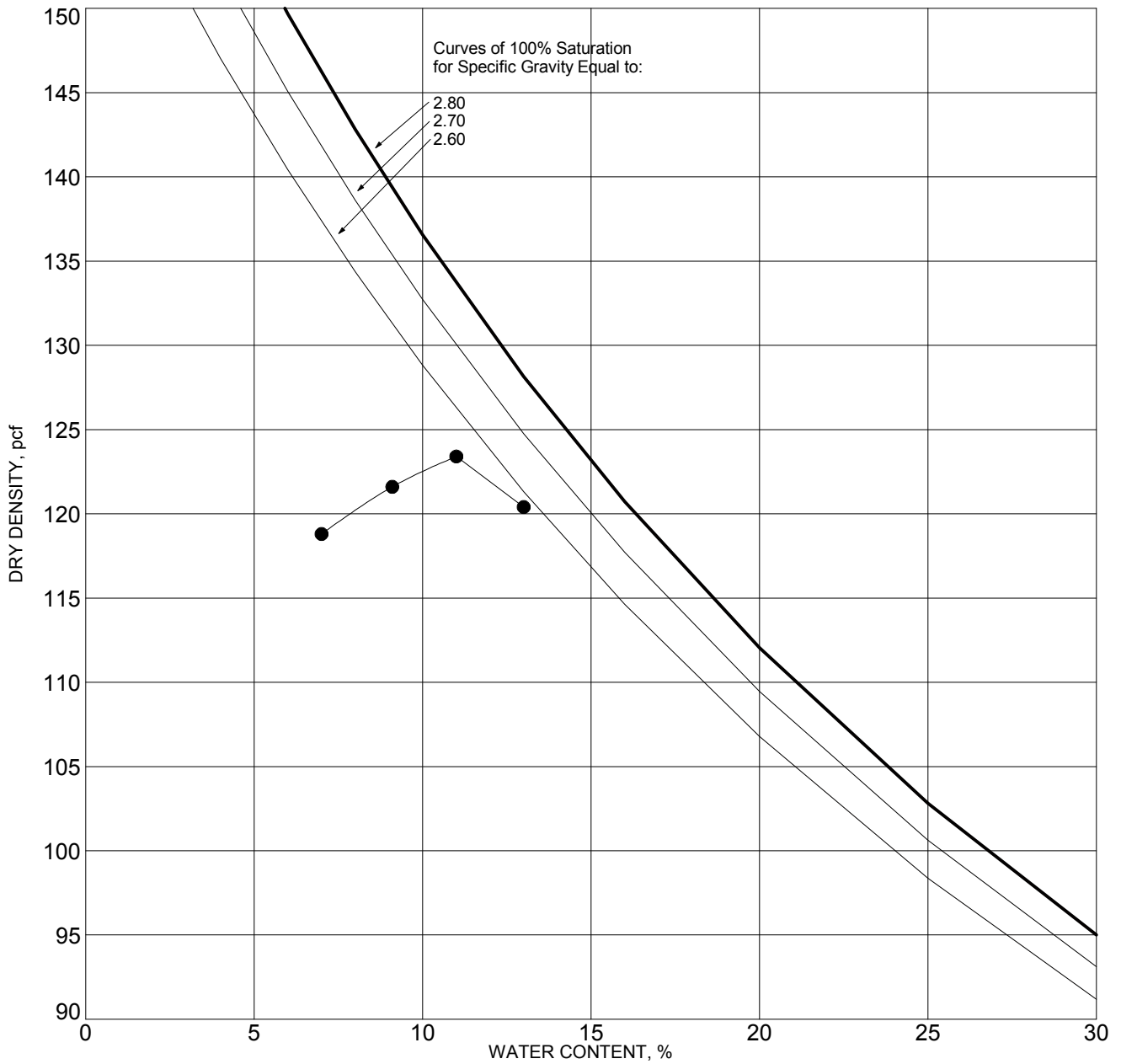


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Figure No.  
 B-1



SYMBOL	BORING NO.	DEPTH (ft)	DESCRIPTION	ASTM TEST METHOD	OPTIMUM WATER, %	MAXIMUM DRY DENSITY, pcf
●	BH-3	0-5	SANDY SILT (ML)	D1557 Method B	10.5	123.5

NOTE:

## MOISTURE-DENSITY RELATIONSHIP RESULTS

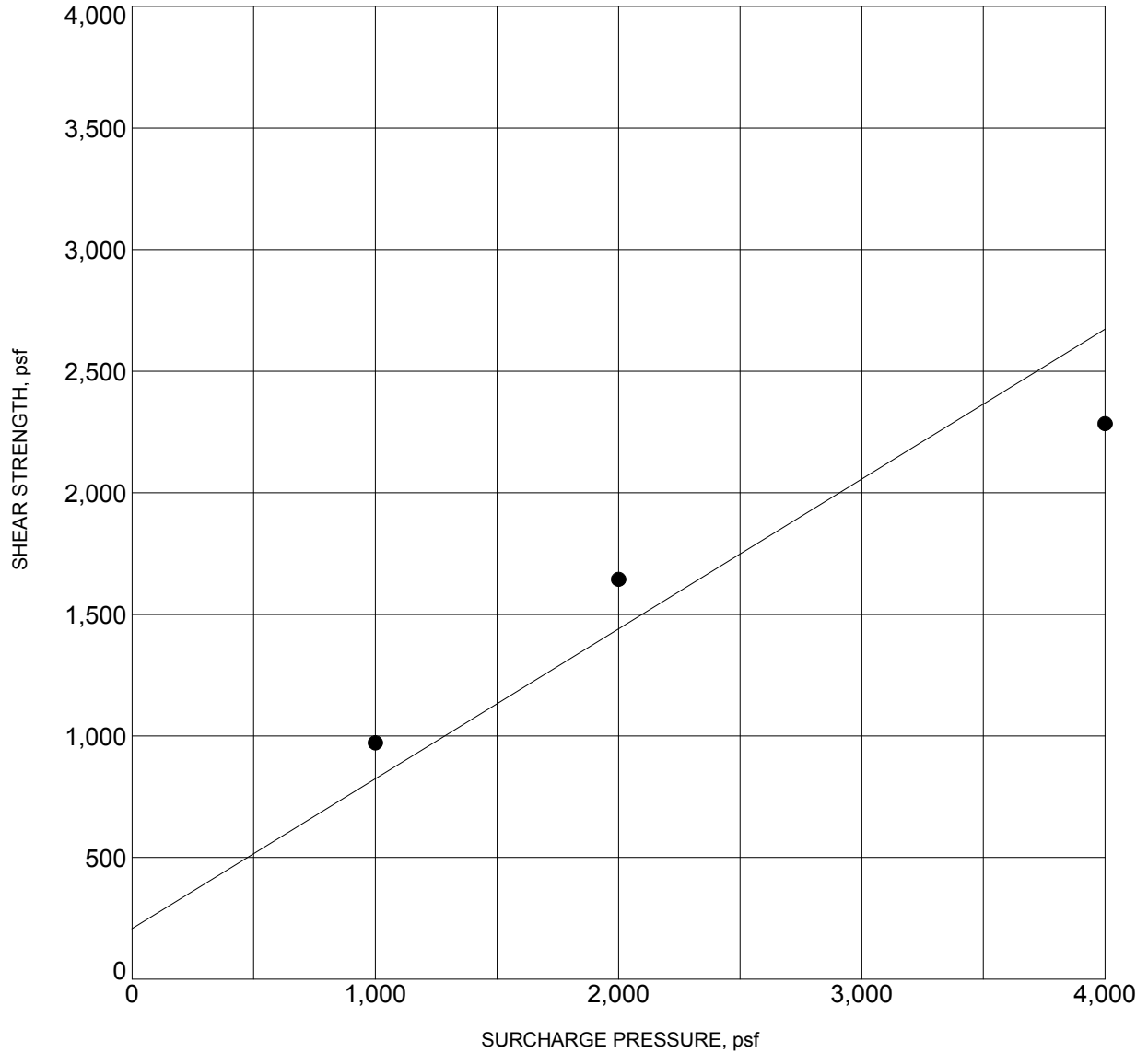


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Figure No.  
 B-2



BORING NO. :	<b>BH-1</b>	DEPTH (ft) :	<b>5</b>
DESCRIPTION :	<b>SILTY SAND (SM)</b>		
COHESION (psf) :	<b>240</b>	FRICTION ANGLE (degrees):	<b>29</b>
MOISTURE CONTENT (%) :	<b>10.0</b>	DRY DENSITY (pcf) :	<b>128.0</b>

NOTE: Ultimate Strength.

## DIRECT SHEAR TEST RESULTS

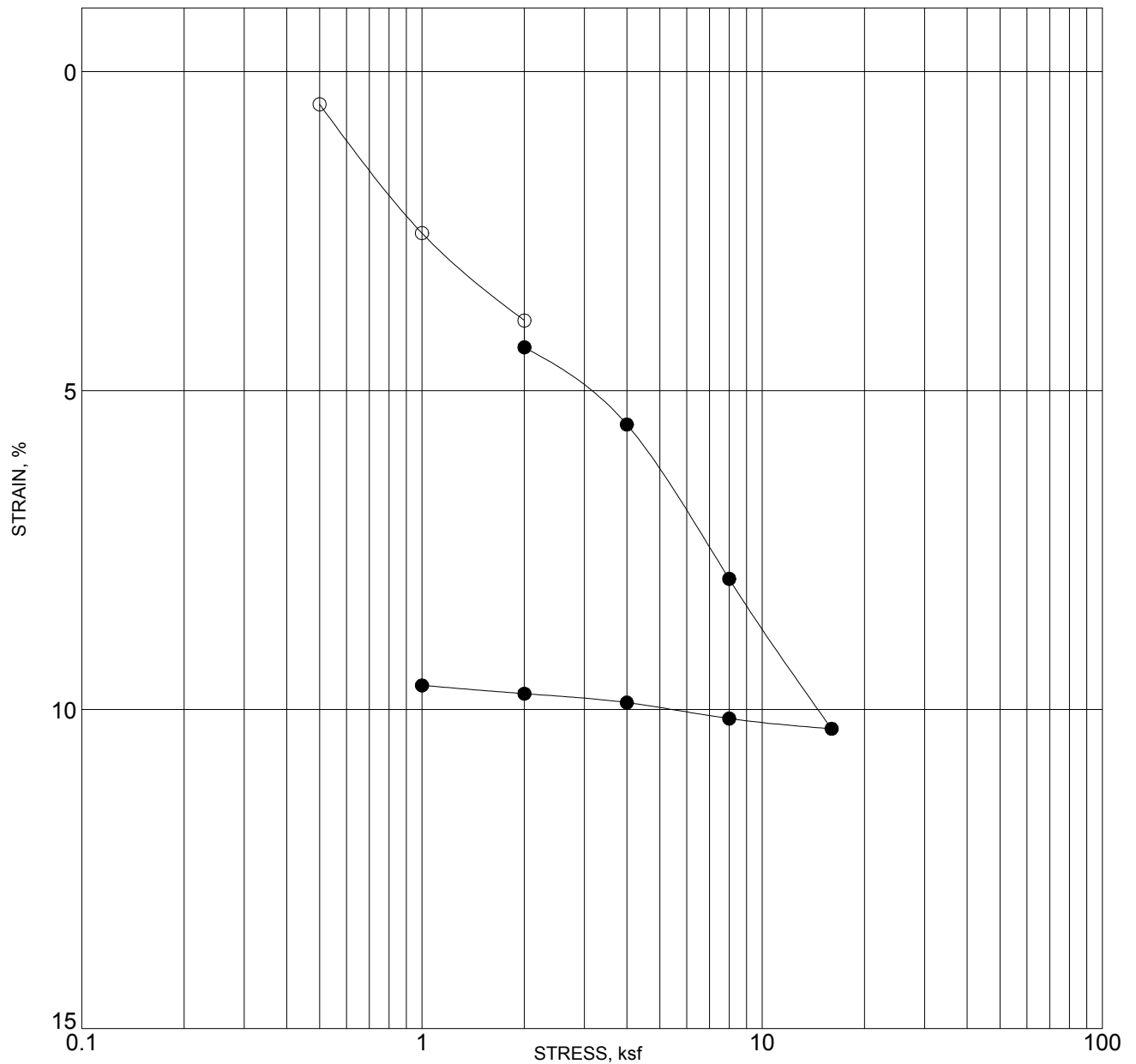


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Figure No.  
 B-3



BORING NO. :		<b>BH-2</b>		DEPTH (ft) :		<b>10</b>	
DESCRIPTION :		<b>SILTY SAND (SM)</b>					
MOISTURE CONTENT (%)		DRY DENSITY (pcf)		PERCENT SATURATION		VOID RATIO	
INITIAL	<b>12</b>	<b>121</b>		<b>88</b>		<b>0.356</b>	
FINAL							

NOTE: SOLID CIRCLES INDICATE READINGS AFTER ADDITION OF WATER

## CONSOLIDATION TEST RESULTS



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Figure No.  
**B-4**

# Appendix C

Earthwork Specifications

## **APPENDIX C: EARTHWORK SPECIFICATIONS**

### **C1.1 Scope of Work**

The work includes all labor, supplies and construction equipment required to construct the proposed project in a good, workman-like manner, as shown on the drawings and herein specified. The major items of work covered in this section include the following:

- Site Inspection
- Authority of Geotechnical Engineer
- Site Clearing
- Excavations
- Preparation of Fill Areas
- Placement and Compaction of Fill
- Observation and Testing

### **C1.2 Site Inspection**

- The Contractor shall carefully examine the site and make all inspections necessary, in order to determine the full extent of the work required to make the completed work conform to the drawings and specifications. The Contractor shall satisfy himself as to the nature and location of the work, ground surface and the characteristics of equipment and facilities needed prior to and during prosecution of the work. The Contractor shall satisfy himself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered. Any inaccuracies or discrepancies between the actual field conditions and the drawings, or between the drawings and specifications must be brought to the Owner's attention in order to clarify the exact nature of the work to be performed.
- This *Geotechnical Study Report* by Converse Consultants may be used as a reference to the surface and subsurface conditions on this project. The information presented in this report is intended for use in design and is subject to confirmation of the conditions encountered during construction. The exploration logs and related information depict subsurface conditions only at the particular time and location designated on the boring logs. Subsurface conditions at other locations may differ from conditions encountered at the exploration locations. In addition, the passage of time may result in a change in subsurface conditions at the exploration locations. Any review of this information shall not relieve the Contractor from performing such independent investigation and evaluation to satisfy himself as to the nature of the surface and subsurface conditions to be encountered and the procedures to be used in performing his work.



### **C1.3 Authority of the Geotechnical Engineer**

- The Geotechnical Engineer will observe the placement of compacted fill and will take sufficient tests to evaluate the uniformity and degree of compaction of filled ground.
- As the Owner's representative, the Geotechnical Engineer will (a) have the authority to cause the removal and replacement of loose, soft, disturbed and other unsatisfactory soils and uncontrolled fill; (b) have the authority to approve the preparation of native ground to receive fill material; and (c) have the authority to approve or reject soils proposed for use in building areas.
- The Civil Engineer and/or Owner will decide all questions regarding (a) the interpretation of the drawings and specifications, (b) the acceptable fulfillment of the contract on the part of the Contractor and (c) the matters of compensation.

### **C1.4 Site Clearing**

- Clearing and grubbing shall consist of the removal from building areas to be graded of all existing structures, pavement, utilities, and vegetation.
- Organic and inorganic materials resulting from the clearing and grubbing operations shall be hauled away from the areas to be graded.

### **C1.5 Excavations**

- Based on observations made during our field explorations, the surficial soils can be excavated with conventional earthwork equipment.

### **C1.6 Preparation of Fill Areas**

- All organic material, organic soils, incompetent alluvium, undocumented fill soils and debris should be removed from the proposed building areas.
- In order to provide uniform support for the new structures, the minimum depth of over-excavation should be five (5) feet below the existing grade, or 3 feet below proposed shallow foundations whichever is deeper. Deeper over-excavation will be needed if soft, yielding soils are exposed on the excavation bottom. The actual depth of removal should be determined based on observations made during grading. Over-excavation should extend a least five (5) feet beyond the limits of footings, or equal distance of over-excavation depth, whichever is greater, or as limited by the existing structures. Excavation activities should not disturb existing utilities, buildings, and remaining structures. Existing utilities should be removed and adequately capped at the project boundary line, or salvaged/rerouted as designed for sidewalks and flatwork area, at least the upper 24 inches of existing

soils should be scarified and recompacted to at least 90 percent of compaction. Deeper over-excavation will be needed if soft, yielding soils are exposed on the excavation bottom. The excavation should be extended to at least 12 inches beyond the driveway and flatwork limit where space is permitted.

- The subgrade in all areas to receive fill shall be scarified to a minimum depth of six inches, the soil moisture adjusted within three (3) percent above optimum, and then compacted to at least 90 percent of the laboratory maximum dry density as determined by ASTM Standard D1557 test method.
- Compacted fill may be placed on native soils that have been properly scarified and re-compacted as discussed above.
- All areas to receive compacted fill will be observed and approved by the Geotechnical Engineer before the placement of fill.

### **C1.7 Placement and Compaction of Fill**

- Compacted fill placed for the support of footings, slabs-on-grade, exterior concrete flatwork, and driveways will be considered structural fill. Structural fill may consist of approved on-site soils or imported fill that meets the criteria indicated below.
- Fill consisting of selected on-site earth materials or imported soils approved by the Geotechnical Engineer shall be placed in layers on approved earth materials. Soils used as compacted structural fill shall have the following characteristics:
- All fill soil particles shall not exceed three (3) inches in nominal size, and shall be free of organic matter and miscellaneous inorganic debris and inert rubble.
- Imported fill materials shall have an Expansion Index (EI) less than 20. All imported fill should be compacted to at least 90 percent of the laboratory maximum dry density (ASTM Standard D1557) at about to three percent above optimum moisture.
- Fill soils shall be evenly spread in maximum 8-inch lifts, watered or dried as necessary, mixed and compacted to at least the density specified below. The fill shall be placed and compacted on a horizontal plane, unless otherwise approved by the Geotechnical Engineer.
- All fill placed at the site shall be compacted to at least 90 percent of the laboratory maximum dry density as determined by ASTM Standard D1557 test method. The on-site soils shall be moisture conditioned at approximate three (3) percent above the optimum moisture content.

- Representative samples of materials being used, as compacted fill will be analyzed in the laboratory by the Geotechnical Engineer to obtain information on their physical properties. Maximum laboratory density of each soil type used in the compacted fill will be determined by the ASTM Standard D1557 compaction method.
- Fill materials shall not be placed, spread or compacted during unfavorable weather conditions. When site grading is interrupted by heavy rain, filling operations shall not resume until the Geotechnical Engineer approves the moisture and density conditions of the previously placed fill.
- It shall be the Grading Contractor's obligation to take all measures deemed necessary during grading to provide erosion control devices in order to protect slope areas and adjacent properties from storm damage and flood hazard originating on this project. It shall be the contractor's responsibility to maintain slopes in their as-graded form until all slopes are in satisfactory compliance with job specifications, all berms have been properly constructed, and all associated drainage devices meet the requirements of the Civil Engineer.

### **C1.8 Trench Backfill**

The following specifications are recommended to provide a basis for quality control during the placement of trench backfill.

- Trench excavations to receive backfill shall be free of trash, debris or other unsatisfactory materials at the time of backfill placement.
- Trench backfill shall be compacted to a minimum relative compaction of 90 percent as per ASTM Standard D1557 test method.
- Rocks larger than one inch should not be placed within 12 inches of the top of the pipeline or within the upper 12 inches of pavement or structure subgrade. No more than 30 percent of the backfill volume shall be larger than 3/4-inch in largest dimension. Rocks shall be well mixed with finer soil.
- The pipe design engineer should select bedding material for the pipe. Bedding materials generally should have a Sand Equivalent (SE) greater than or equal to 30, as determined by the ASTM Standard D2419 test method.
- Trench backfill shall be compacted by mechanical methods, such as sheepsfoot, vibrating or pneumatic rollers, or mechanical tampers, to achieve the density specified herein. The backfill materials shall be brought to between optimum and three percent above optimum, then placed in horizontal layers. The thickness of uncompacted layers should not exceed eight inches. Each layer shall be evenly

spread, moistened or dried as necessary, and then tamped or rolled until the specified density has been achieved.

- The contractor shall select the equipment and processes to be used to achieve the specified density without damage to adjacent ground and completed work.
- The field density of the compacted soil shall be measured by the ASTM Standard D1556 or ASTM Standard D2922 test methods or equivalent.
- Observation and field tests should be performed by Converse during construction to confirm that the required degree of compaction has been obtained. Where compaction is less than that specified, additional compactive effort shall be made with adjustment of the moisture content as necessary, until the specified compaction is obtained.
- It should be the responsibility of the Contractor to maintain safe conditions during cut and/or fill operations.
- Trench backfill shall not be placed, spread or rolled during unfavorable weather conditions. When the work is interrupted by heavy rain, fill operations shall not be resumed until field tests by the project's geotechnical consultant indicate that the moisture content and density of the fill are as previously specified.

### **C1.9 Observation and Testing**

- During the progress of grading, the Geotechnical Engineer will provide observation of the fill placement operations.
- Field density tests will be made during grading to provide an opinion on the degree of compaction being obtained by the contractor. Where compaction of less than specified herein is indicated, additional compactive effort with adjustment of the moisture content shall be made as necessary, until the required degree of compaction is obtained
- A sufficient number of field density tests will be performed to provide an opinion to the degree of compaction achieved. In general, density tests will be performed on each one-foot lift of fill, but not less than one for each 500 cubic yards of fill placed.

# Appendix D

Liquefaction/Seismic Settlement Analysis

## APPENDIX D: LIQUEFACTION/SEISMIC SETTLEMENT ANALYSIS

Liquefaction is defined as the phenomenon where a soil mass exhibits a substantial reduction in its shear strength. This strength reduction is due to the development of excess pore pressure in a soil mass caused by earthquake induced ground motions. Saturated soils behave temporarily as a viscous fluid (liquefaction) and, consequently, lose their capacity to support the structures founded on them. The potential for liquefaction decreases with increasing clay and gravel content, but increases as the ground acceleration and duration of shaking increase. Liquefaction potential has been found to be the greatest where the groundwater level and loose sands occur within 50 feet of the ground surface.

Our liquefaction analyses are based on the *Special Publication 117A: Guidelines for Evaluating and Mitigating Seismic Hazards in California (9/2008)*, *Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction Hazards in California (3/1999)*, and *2013 California Building Code*.

The subsurface data obtained from exploratory borings were used to evaluate the liquefaction/seismic settlement potential of the area. The Log of Borings is presented in Appendix A, *Field Exploration*. The liquefaction potential and seismic settlement analyses were performed utilizing data obtained from boring BH-1 for the upper 50 feet of soil. The analyses were performed using *LiquefyPro*, Version 5.8n, 2012, by Civil Tech Software. The following seismic parameters are used for liquefaction potential analyses.

**Table No. D-1 Seismic Parameters Used in Liquefaction Analysis**

Groundwater Depth* (feet)	Earthquake Magnitude** Mw	Peak Ground Acceleration*** (g)
20	7.72	0.777

\*Based on estimated historically highest groundwater from Pasadena Quadrangle Seismic Hazard Zone Report

\*\*Based on the 2008 NSHMP PSHA Interactive Deaggregation web site for a return period of 2475 years

\*\*\*Based on  $PGA_M$  per section 21.5 of ASCE 7-10

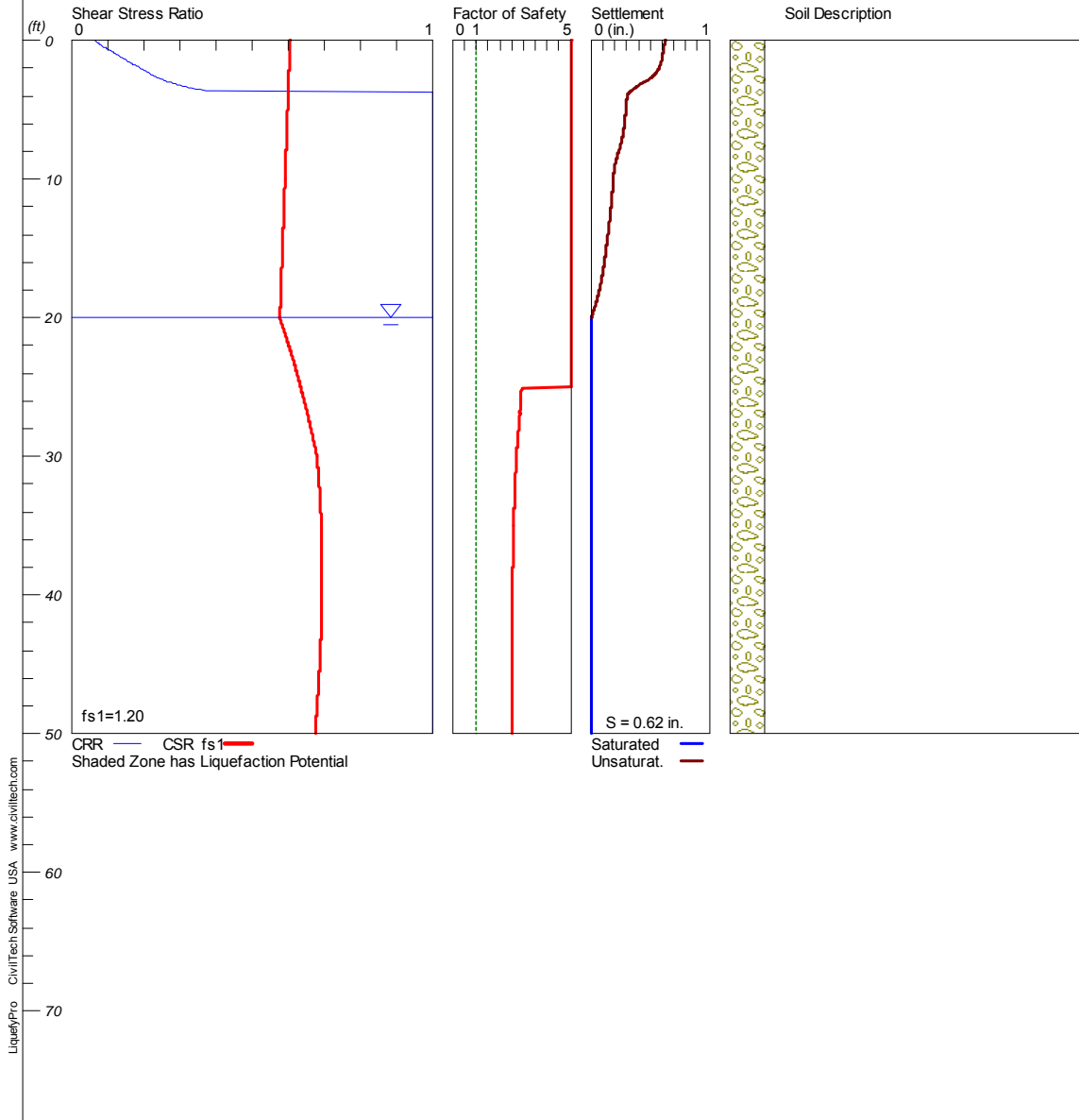
The results of liquefaction analyses indicate the project site is not susceptible to liquefaction. The estimated potential seismically induced settlement is on the order of 0.62 inches with potential differential settlement of approximately 0.31 inches. The project structural engineer should consider the effects of seismically-induced settlement in the foundation design.

# LIQUEFACTION ANALYSIS

## Parking Lot D3

Hole No.=BH1 Water Depth=20 ft Surface Elev.=560

Magnitude=7.72  
Acceleration=0.777g



\*\*\*\*\*

LIQUEFACTION ANALYSIS SUMMARY  
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\*\*\*\*\*

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 Licensed to , 9/14/2017 10:44:05 AM

Input File Name: K:\Ram\17-31-241-00-MT San antonio college\Report Lot D3\UNTITLED.liq  
 Title: Parking Lot D3  
 Subtitle: 17-31241-01

Surface Elev.=560  
 Hole No.=BH1  
 Depth of Hole= 50.00 ft  
 Water Table during Earthquake= 20.00 ft  
 Water Table during In-Situ Testing= 36.00 ft  
 Max. Acceleration= 0.78 g  
 Earthquake Magnitude= 7.72

Input Data:

Surface Elev.=560  
 Hole No.=BH1  
 Depth of Hole=50.00 ft  
 Water Table during Earthquake= 20.00 ft  
 Water Table during In-Situ Testing= 36.00 ft  
 Max. Acceleration=0.78 g  
 Earthquake Magnitude=7.72  
 No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
  2. Settlement Analysis Method: Ishihara / Yoshimine
  3. Fines Correction for Liquefaction: Modify Stark/Olson
  4. Fine Correction for Settlement: During Liquefaction\*
  5. Settlement Calculation in: All zones\*
  6. Hammer Energy Ratio, Ce = 1.25
  7. Borehole Diameter, Cb= 1.15
  8. Sampling Method, Cs= 1.2
  9. User request factor of safety (apply to CSR) , User= 1.2  
 Plot one CSR curve (fs1=User)
  10. Use Curve Smoothing: Yes\*
- \* Recommended Options

In-Situ Test Data:

Depth ft	SPT	gamma pcf	Fines %
0.00	0.00	127.00	29.00
5.00	15.00	127.00	29.00
10.00	30.00	120.00	35.00
15.00	39.00	116.00	40.00
20.00	22.00	121.00	NoLiq
25.00	9.00	118.00	NoLiq
30.00	50.00	117.00	36.00
35.00	50.00	117.00	33.00
40.00	50.00	120.00	30.00
45.00	50.00	120.00	25.00
50.00	50.00	121.00	22.00

Output Results:

Settlement of Saturated Sands=0.00 in.  
 Settlement of Unsaturated Sands=0.62 in.  
 Total Settlement of Saturated and Unsaturated Sands=0.62 in.  
 Differential Settlement=0.311 to 0.410 in.

Depth CRRm CSRfs F.S. S\_sat. S\_dry S\_all



ft				in.	in.	in.
0.00	0.07	0.61	5.00	0.00	0.62	0.62
0.05	0.07	0.61	5.00	0.00	0.62	0.62
0.10	0.07	0.61	5.00	0.00	0.62	0.62
0.15	0.07	0.61	5.00	0.00	0.62	0.62
0.20	0.07	0.61	5.00	0.00	0.62	0.62
0.25	0.08	0.61	5.00	0.00	0.62	0.62
0.30	0.08	0.61	5.00	0.00	0.62	0.62
0.35	0.08	0.61	5.00	0.00	0.62	0.62
0.40	0.09	0.61	5.00	0.00	0.62	0.62
0.45	0.09	0.61	5.00	0.00	0.62	0.62
0.50	0.09	0.61	5.00	0.00	0.61	0.61
0.55	0.09	0.61	5.00	0.00	0.61	0.61
0.60	0.10	0.61	5.00	0.00	0.61	0.61
0.65	0.10	0.61	5.00	0.00	0.61	0.61
0.70	0.10	0.61	5.00	0.00	0.61	0.61
0.75	0.11	0.61	5.00	0.00	0.61	0.61
0.80	0.11	0.60	5.00	0.00	0.61	0.61
0.85	0.11	0.60	5.00	0.00	0.61	0.61
0.90	0.12	0.60	5.00	0.00	0.61	0.61
0.95	0.12	0.60	5.00	0.00	0.61	0.61
1.00	0.12	0.60	5.00	0.00	0.61	0.61
1.05	0.13	0.60	5.00	0.00	0.60	0.60
1.10	0.13	0.60	5.00	0.00	0.60	0.60
1.15	0.13	0.60	5.00	0.00	0.60	0.60
1.20	0.14	0.60	5.00	0.00	0.60	0.60
1.25	0.14	0.60	5.00	0.00	0.60	0.60
1.30	0.14	0.60	5.00	0.00	0.60	0.60
1.35	0.15	0.60	5.00	0.00	0.60	0.60
1.40	0.15	0.60	5.00	0.00	0.60	0.60
1.45	0.15	0.60	5.00	0.00	0.60	0.60
1.50	0.16	0.60	5.00	0.00	0.59	0.59
1.55	0.16	0.60	5.00	0.00	0.59	0.59
1.60	0.16	0.60	5.00	0.00	0.59	0.59
1.65	0.17	0.60	5.00	0.00	0.59	0.59
1.70	0.17	0.60	5.00	0.00	0.59	0.59
1.75	0.17	0.60	5.00	0.00	0.59	0.59
1.80	0.18	0.60	5.00	0.00	0.58	0.58
1.85	0.18	0.60	5.00	0.00	0.58	0.58
1.90	0.18	0.60	5.00	0.00	0.58	0.58
1.95	0.19	0.60	5.00	0.00	0.58	0.58
2.00	0.19	0.60	5.00	0.00	0.57	0.57
2.05	0.19	0.60	5.00	0.00	0.57	0.57
2.10	0.20	0.60	5.00	0.00	0.57	0.57
2.15	0.20	0.60	5.00	0.00	0.56	0.56
2.20	0.20	0.60	5.00	0.00	0.56	0.56
2.25	0.21	0.60	5.00	0.00	0.56	0.56
2.30	0.21	0.60	5.00	0.00	0.55	0.55
2.35	0.21	0.60	5.00	0.00	0.55	0.55
2.40	0.22	0.60	5.00	0.00	0.54	0.54
2.45	0.22	0.60	5.00	0.00	0.54	0.54
2.50	0.23	0.60	5.00	0.00	0.53	0.53
2.55	0.23	0.60	5.00	0.00	0.53	0.53
2.60	0.23	0.60	5.00	0.00	0.52	0.52
2.65	0.24	0.60	5.00	0.00	0.51	0.51
2.70	0.24	0.60	5.00	0.00	0.50	0.50
2.75	0.25	0.60	5.00	0.00	0.50	0.50
2.80	0.25	0.60	5.00	0.00	0.49	0.49
2.85	0.26	0.60	5.00	0.00	0.48	0.48
2.90	0.26	0.60	5.00	0.00	0.47	0.47
2.95	0.27	0.60	5.00	0.00	0.46	0.46
3.00	0.27	0.60	5.00	0.00	0.45	0.45
3.05	0.28	0.60	5.00	0.00	0.44	0.44
3.10	0.28	0.60	5.00	0.00	0.43	0.43
3.15	0.29	0.60	5.00	0.00	0.42	0.42
3.20	0.29	0.60	5.00	0.00	0.41	0.41

UNTITLED.sum

3.25	0.30	0.60	5.00	0.00	0.40	0.40
3.30	0.31	0.60	5.00	0.00	0.39	0.39
3.35	0.32	0.60	5.00	0.00	0.38	0.38
3.40	0.32	0.60	5.00	0.00	0.38	0.38
3.45	0.33	0.60	5.00	0.00	0.37	0.37
3.50	0.34	0.60	5.00	0.00	0.36	0.36
3.55	0.36	0.60	5.00	0.00	0.35	0.35
3.60	0.37	0.60	5.00	0.00	0.34	0.34
3.65	0.40	0.60	5.00	0.00	0.34	0.34
3.70	1.86	0.60	5.00	0.00	0.33	0.33
3.75	1.86	0.60	5.00	0.00	0.32	0.32
3.80	1.86	0.60	5.00	0.00	0.31	0.31
3.85	1.86	0.60	5.00	0.00	0.31	0.31
3.90	1.86	0.60	5.00	0.00	0.30	0.30
3.95	1.86	0.60	5.00	0.00	0.30	0.30
4.00	1.86	0.60	5.00	0.00	0.30	0.30
4.05	1.86	0.60	5.00	0.00	0.30	0.30
4.10	1.86	0.60	5.00	0.00	0.30	0.30
4.15	1.86	0.60	5.00	0.00	0.30	0.30
4.20	1.86	0.60	5.00	0.00	0.30	0.30
4.25	1.86	0.60	5.00	0.00	0.30	0.30
4.30	1.86	0.60	5.00	0.00	0.30	0.30
4.35	1.86	0.60	5.00	0.00	0.30	0.30
4.40	1.86	0.60	5.00	0.00	0.30	0.30
4.45	1.86	0.60	5.00	0.00	0.30	0.30
4.50	1.86	0.60	5.00	0.00	0.30	0.30
4.55	1.86	0.60	5.00	0.00	0.30	0.30
4.60	1.86	0.60	5.00	0.00	0.30	0.30
4.65	1.86	0.60	5.00	0.00	0.30	0.30
4.70	1.86	0.60	5.00	0.00	0.30	0.30
4.75	1.86	0.60	5.00	0.00	0.30	0.30
4.80	1.86	0.60	5.00	0.00	0.29	0.29
4.85	1.86	0.60	5.00	0.00	0.29	0.29
4.90	1.86	0.60	5.00	0.00	0.29	0.29
4.95	1.86	0.60	5.00	0.00	0.29	0.29
5.00	1.86	0.60	5.00	0.00	0.29	0.29
5.05	1.86	0.60	5.00	0.00	0.29	0.29
5.10	1.86	0.60	5.00	0.00	0.29	0.29
5.15	1.86	0.60	5.00	0.00	0.29	0.29
5.20	1.86	0.60	5.00	0.00	0.29	0.29
5.25	1.86	0.60	5.00	0.00	0.29	0.29
5.30	1.86	0.60	5.00	0.00	0.29	0.29
5.35	1.86	0.60	5.00	0.00	0.29	0.29
5.40	1.86	0.60	5.00	0.00	0.29	0.29
5.45	1.86	0.60	5.00	0.00	0.29	0.29
5.50	1.86	0.60	5.00	0.00	0.29	0.29
5.55	1.86	0.60	5.00	0.00	0.29	0.29
5.60	1.86	0.60	5.00	0.00	0.29	0.29
5.65	1.86	0.60	5.00	0.00	0.28	0.28
5.70	1.86	0.60	5.00	0.00	0.28	0.28
5.75	1.86	0.60	5.00	0.00	0.28	0.28
5.80	1.86	0.60	5.00	0.00	0.28	0.28
5.85	1.86	0.60	5.00	0.00	0.28	0.28
5.90	1.86	0.60	5.00	0.00	0.28	0.28
5.95	1.86	0.60	5.00	0.00	0.28	0.28
6.00	1.86	0.60	5.00	0.00	0.28	0.28
6.05	1.86	0.60	5.00	0.00	0.28	0.28
6.10	1.86	0.60	5.00	0.00	0.28	0.28
6.15	1.86	0.60	5.00	0.00	0.28	0.28
6.20	1.86	0.60	5.00	0.00	0.28	0.28
6.25	1.86	0.60	5.00	0.00	0.28	0.28
6.30	1.86	0.60	5.00	0.00	0.28	0.28
6.35	1.86	0.60	5.00	0.00	0.28	0.28
6.40	1.86	0.60	5.00	0.00	0.27	0.27
6.45	1.86	0.60	5.00	0.00	0.27	0.27
6.50	1.86	0.60	5.00	0.00	0.27	0.27
6.55	1.86	0.60	5.00	0.00	0.27	0.27

UNTITLED.sum

6.60	1.86	0.60	5.00	0.00	0.27	0.27
6.65	1.86	0.60	5.00	0.00	0.27	0.27
6.70	1.86	0.60	5.00	0.00	0.27	0.27
6.75	1.86	0.60	5.00	0.00	0.27	0.27
6.80	1.86	0.60	5.00	0.00	0.27	0.27
6.85	1.86	0.60	5.00	0.00	0.27	0.27
6.90	1.86	0.60	5.00	0.00	0.26	0.26
6.95	1.86	0.60	5.00	0.00	0.26	0.26
7.00	1.86	0.60	5.00	0.00	0.26	0.26
7.05	1.86	0.60	5.00	0.00	0.26	0.26
7.10	1.86	0.60	5.00	0.00	0.26	0.26
7.15	1.86	0.60	5.00	0.00	0.26	0.26
7.20	1.86	0.60	5.00	0.00	0.26	0.26
7.25	1.86	0.60	5.00	0.00	0.26	0.26
7.30	1.86	0.60	5.00	0.00	0.25	0.25
7.35	1.86	0.60	5.00	0.00	0.25	0.25
7.40	1.86	0.60	5.00	0.00	0.25	0.25
7.45	1.86	0.60	5.00	0.00	0.25	0.25
7.50	1.86	0.60	5.00	0.00	0.25	0.25
7.55	1.86	0.60	5.00	0.00	0.25	0.25
7.60	1.86	0.60	5.00	0.00	0.25	0.25
7.65	1.86	0.60	5.00	0.00	0.24	0.24
7.70	1.86	0.60	5.00	0.00	0.24	0.24
7.75	1.86	0.60	5.00	0.00	0.24	0.24
7.80	1.86	0.60	5.00	0.00	0.24	0.24
7.85	1.86	0.59	5.00	0.00	0.24	0.24
7.90	1.86	0.59	5.00	0.00	0.24	0.24
7.95	1.86	0.59	5.00	0.00	0.23	0.23
8.00	1.86	0.59	5.00	0.00	0.23	0.23
8.05	1.86	0.59	5.00	0.00	0.23	0.23
8.10	1.86	0.59	5.00	0.00	0.23	0.23
8.15	1.86	0.59	5.00	0.00	0.23	0.23
8.20	1.86	0.59	5.00	0.00	0.22	0.22
8.25	1.86	0.59	5.00	0.00	0.22	0.22
8.30	1.86	0.59	5.00	0.00	0.22	0.22
8.35	1.86	0.59	5.00	0.00	0.22	0.22
8.40	1.86	0.59	5.00	0.00	0.22	0.22
8.45	1.86	0.59	5.00	0.00	0.22	0.22
8.50	1.86	0.59	5.00	0.00	0.21	0.21
8.55	1.86	0.59	5.00	0.00	0.21	0.21
8.60	1.86	0.59	5.00	0.00	0.21	0.21
8.65	1.86	0.59	5.00	0.00	0.21	0.21
8.70	1.86	0.59	5.00	0.00	0.21	0.21
8.75	1.86	0.59	5.00	0.00	0.21	0.21
8.80	1.86	0.59	5.00	0.00	0.20	0.20
8.85	1.86	0.59	5.00	0.00	0.20	0.20
8.90	1.86	0.59	5.00	0.00	0.20	0.20
8.95	1.86	0.59	5.00	0.00	0.20	0.20
9.00	1.86	0.59	5.00	0.00	0.20	0.20
9.05	1.86	0.59	5.00	0.00	0.20	0.20
9.10	1.86	0.59	5.00	0.00	0.19	0.19
9.15	1.86	0.59	5.00	0.00	0.19	0.19
9.20	1.86	0.59	5.00	0.00	0.19	0.19
9.25	1.86	0.59	5.00	0.00	0.19	0.19
9.30	1.86	0.59	5.00	0.00	0.19	0.19
9.35	1.86	0.59	5.00	0.00	0.19	0.19
9.40	1.86	0.59	5.00	0.00	0.19	0.19
9.45	1.86	0.59	5.00	0.00	0.19	0.19
9.50	1.86	0.59	5.00	0.00	0.19	0.19
9.55	1.86	0.59	5.00	0.00	0.19	0.19
9.60	1.86	0.59	5.00	0.00	0.19	0.19
9.65	1.86	0.59	5.00	0.00	0.19	0.19
9.70	1.86	0.59	5.00	0.00	0.19	0.19
9.75	1.86	0.59	5.00	0.00	0.19	0.19
9.80	1.86	0.59	5.00	0.00	0.19	0.19
9.85	1.86	0.59	5.00	0.00	0.19	0.19
9.90	1.86	0.59	5.00	0.00	0.19	0.19



UNTITLED.sum

13.30	1.86	0.59	5.00	0.00	0.15	0.15
13.35	1.86	0.59	5.00	0.00	0.15	0.15
13.40	1.86	0.59	5.00	0.00	0.15	0.15
13.45	1.86	0.59	5.00	0.00	0.15	0.15
13.50	1.86	0.59	5.00	0.00	0.15	0.15
13.55	1.86	0.59	5.00	0.00	0.15	0.15
13.60	1.86	0.59	5.00	0.00	0.15	0.15
13.65	1.86	0.59	5.00	0.00	0.15	0.15
13.70	1.86	0.59	5.00	0.00	0.14	0.14
13.75	1.86	0.59	5.00	0.00	0.14	0.14
13.80	1.86	0.59	5.00	0.00	0.14	0.14
13.85	1.86	0.59	5.00	0.00	0.14	0.14
13.90	1.86	0.59	5.00	0.00	0.14	0.14
13.95	1.86	0.59	5.00	0.00	0.14	0.14
14.00	1.86	0.59	5.00	0.00	0.14	0.14
14.05	1.86	0.59	5.00	0.00	0.14	0.14
14.10	1.86	0.59	5.00	0.00	0.14	0.14
14.15	1.86	0.59	5.00	0.00	0.14	0.14
14.20	1.86	0.59	5.00	0.00	0.14	0.14
14.25	1.86	0.59	5.00	0.00	0.14	0.14
14.30	1.86	0.59	5.00	0.00	0.14	0.14
14.35	1.86	0.59	5.00	0.00	0.14	0.14
14.40	1.86	0.59	5.00	0.00	0.13	0.13
14.45	1.86	0.59	5.00	0.00	0.13	0.13
14.50	1.86	0.59	5.00	0.00	0.13	0.13
14.55	1.86	0.59	5.00	0.00	0.13	0.13
14.60	1.86	0.59	5.00	0.00	0.13	0.13
14.65	1.86	0.59	5.00	0.00	0.13	0.13
14.70	1.86	0.59	5.00	0.00	0.13	0.13
14.75	1.86	0.59	5.00	0.00	0.13	0.13
14.80	1.86	0.59	5.00	0.00	0.13	0.13
14.85	1.86	0.59	5.00	0.00	0.13	0.13
14.90	1.86	0.59	5.00	0.00	0.13	0.13
14.95	1.86	0.58	5.00	0.00	0.13	0.13
15.00	1.86	0.58	5.00	0.00	0.13	0.13
15.05	1.86	0.58	5.00	0.00	0.13	0.13
15.10	1.86	0.58	5.00	0.00	0.12	0.12
15.15	1.86	0.58	5.00	0.00	0.12	0.12
15.20	1.86	0.58	5.00	0.00	0.12	0.12
15.25	1.86	0.58	5.00	0.00	0.12	0.12
15.30	1.86	0.58	5.00	0.00	0.12	0.12
15.35	1.86	0.58	5.00	0.00	0.12	0.12
15.40	1.86	0.58	5.00	0.00	0.12	0.12
15.45	1.86	0.58	5.00	0.00	0.12	0.12
15.50	1.86	0.58	5.00	0.00	0.12	0.12
15.55	1.86	0.58	5.00	0.00	0.12	0.12
15.60	1.86	0.58	5.00	0.00	0.12	0.12
15.65	1.86	0.58	5.00	0.00	0.12	0.12
15.70	1.86	0.58	5.00	0.00	0.12	0.12
15.75	1.86	0.58	5.00	0.00	0.11	0.11
15.80	1.86	0.58	5.00	0.00	0.11	0.11
15.85	1.86	0.58	5.00	0.00	0.11	0.11
15.90	1.86	0.58	5.00	0.00	0.11	0.11
15.95	1.86	0.58	5.00	0.00	0.11	0.11
16.00	1.86	0.58	5.00	0.00	0.11	0.11
16.05	1.86	0.58	5.00	0.00	0.11	0.11
16.10	1.86	0.58	5.00	0.00	0.11	0.11
16.15	1.86	0.58	5.00	0.00	0.11	0.11
16.20	1.86	0.58	5.00	0.00	0.11	0.11
16.25	1.86	0.58	5.00	0.00	0.11	0.11
16.30	1.86	0.58	5.00	0.00	0.11	0.11
16.35	1.86	0.58	5.00	0.00	0.10	0.10
16.40	1.86	0.58	5.00	0.00	0.10	0.10
16.45	1.86	0.58	5.00	0.00	0.10	0.10
16.50	1.86	0.58	5.00	0.00	0.10	0.10
16.55	1.86	0.58	5.00	0.00	0.10	0.10
16.60	1.86	0.58	5.00	0.00	0.10	0.10

UNTITLED.sum

16.65	1.86	0.58	5.00	0.00	0.10	0.10
16.70	1.86	0.58	5.00	0.00	0.10	0.10
16.75	1.86	0.58	5.00	0.00	0.10	0.10
16.80	1.86	0.58	5.00	0.00	0.10	0.10
16.85	1.86	0.58	5.00	0.00	0.09	0.09
16.90	1.86	0.58	5.00	0.00	0.09	0.09
16.95	1.86	0.58	5.00	0.00	0.09	0.09
17.00	1.86	0.58	5.00	0.00	0.09	0.09
17.05	1.86	0.58	5.00	0.00	0.09	0.09
17.10	1.86	0.58	5.00	0.00	0.09	0.09
17.15	1.86	0.58	5.00	0.00	0.09	0.09
17.20	1.86	0.58	5.00	0.00	0.09	0.09
17.25	1.86	0.58	5.00	0.00	0.09	0.09
17.30	1.86	0.58	5.00	0.00	0.08	0.08
17.35	1.86	0.58	5.00	0.00	0.08	0.08
17.40	1.86	0.58	5.00	0.00	0.08	0.08
17.45	1.86	0.58	5.00	0.00	0.08	0.08
17.50	1.86	0.58	5.00	0.00	0.08	0.08
17.55	1.86	0.58	5.00	0.00	0.08	0.08
17.60	1.86	0.58	5.00	0.00	0.08	0.08
17.65	1.86	0.58	5.00	0.00	0.08	0.08
17.70	1.86	0.58	5.00	0.00	0.07	0.07
17.75	1.86	0.58	5.00	0.00	0.07	0.07
17.80	1.86	0.58	5.00	0.00	0.07	0.07
17.85	1.86	0.58	5.00	0.00	0.07	0.07
17.90	1.86	0.58	5.00	0.00	0.07	0.07
17.95	1.86	0.58	5.00	0.00	0.07	0.07
18.00	1.86	0.58	5.00	0.00	0.07	0.07
18.05	1.86	0.58	5.00	0.00	0.07	0.07
18.10	1.86	0.58	5.00	0.00	0.06	0.06
18.15	1.86	0.58	5.00	0.00	0.06	0.06
18.20	1.86	0.58	5.00	0.00	0.06	0.06
18.25	1.86	0.58	5.00	0.00	0.06	0.06
18.30	1.86	0.58	5.00	0.00	0.06	0.06
18.35	1.86	0.58	5.00	0.00	0.06	0.06
18.40	1.86	0.58	5.00	0.00	0.06	0.06
18.45	1.86	0.58	5.00	0.00	0.05	0.05
18.50	1.86	0.58	5.00	0.00	0.05	0.05
18.55	1.86	0.58	5.00	0.00	0.05	0.05
18.60	1.86	0.58	5.00	0.00	0.05	0.05
18.65	1.86	0.58	5.00	0.00	0.05	0.05
18.70	1.86	0.58	5.00	0.00	0.05	0.05
18.75	1.86	0.58	5.00	0.00	0.04	0.04
18.80	1.86	0.58	5.00	0.00	0.04	0.04
18.85	1.86	0.58	5.00	0.00	0.04	0.04
18.90	1.86	0.58	5.00	0.00	0.04	0.04
18.95	1.86	0.58	5.00	0.00	0.04	0.04
19.00	1.86	0.58	5.00	0.00	0.04	0.04
19.05	1.86	0.58	5.00	0.00	0.03	0.03
19.10	1.86	0.58	5.00	0.00	0.03	0.03
19.15	1.86	0.58	5.00	0.00	0.03	0.03
19.20	1.86	0.58	5.00	0.00	0.03	0.03
19.25	1.86	0.58	5.00	0.00	0.03	0.03
19.30	1.86	0.58	5.00	0.00	0.03	0.03
19.35	1.86	0.58	5.00	0.00	0.02	0.02
19.40	1.86	0.58	5.00	0.00	0.02	0.02
19.45	1.86	0.58	5.00	0.00	0.02	0.02
19.50	1.86	0.58	5.00	0.00	0.02	0.02
19.55	1.86	0.58	5.00	0.00	0.02	0.02
19.60	1.86	0.58	5.00	0.00	0.01	0.01
19.65	1.86	0.58	5.00	0.00	0.01	0.01
19.70	1.86	0.58	5.00	0.00	0.01	0.01
19.75	1.86	0.58	5.00	0.00	0.01	0.01
19.80	1.86	0.58	5.00	0.00	0.01	0.01
19.85	1.86	0.58	5.00	0.00	0.00	0.00
19.90	1.86	0.58	5.00	0.00	0.00	0.00
19.95	1.86	0.58	5.00	0.00	0.00	0.00



UNTITLED.sum

23.35	2.00	0.62	5.00	0.00	0.00	0.00
23.40	2.00	0.62	5.00	0.00	0.00	0.00
23.45	2.00	0.62	5.00	0.00	0.00	0.00
23.50	2.00	0.62	5.00	0.00	0.00	0.00
23.55	2.00	0.62	5.00	0.00	0.00	0.00
23.60	2.00	0.62	5.00	0.00	0.00	0.00
23.65	2.00	0.62	5.00	0.00	0.00	0.00
23.70	2.00	0.62	5.00	0.00	0.00	0.00
23.75	2.00	0.62	5.00	0.00	0.00	0.00
23.80	2.00	0.62	5.00	0.00	0.00	0.00
23.85	2.00	0.62	5.00	0.00	0.00	0.00
23.90	2.00	0.62	5.00	0.00	0.00	0.00
23.95	2.00	0.62	5.00	0.00	0.00	0.00
24.00	2.00	0.63	5.00	0.00	0.00	0.00
24.05	2.00	0.63	5.00	0.00	0.00	0.00
24.10	2.00	0.63	5.00	0.00	0.00	0.00
24.15	2.00	0.63	5.00	0.00	0.00	0.00
24.20	2.00	0.63	5.00	0.00	0.00	0.00
24.25	2.00	0.63	5.00	0.00	0.00	0.00
24.30	2.00	0.63	5.00	0.00	0.00	0.00
24.35	2.00	0.63	5.00	0.00	0.00	0.00
24.40	2.00	0.63	5.00	0.00	0.00	0.00
24.45	2.00	0.63	5.00	0.00	0.00	0.00
24.50	2.00	0.63	5.00	0.00	0.00	0.00
24.55	2.00	0.63	5.00	0.00	0.00	0.00
24.60	2.00	0.63	5.00	0.00	0.00	0.00
24.65	2.00	0.63	5.00	0.00	0.00	0.00
24.70	2.00	0.63	5.00	0.00	0.00	0.00
24.75	2.00	0.63	5.00	0.00	0.00	0.00
24.80	2.00	0.63	5.00	0.00	0.00	0.00
24.85	2.00	0.63	5.00	0.00	0.00	0.00
24.90	2.00	0.63	5.00	0.00	0.00	0.00
24.95	2.00	0.63	5.00	0.00	0.00	0.00
25.00	2.00	0.64	5.00	0.00	0.00	0.00
25.05	1.86	0.64	2.92	0.00	0.00	0.00
25.10	1.86	0.64	2.92	0.00	0.00	0.00
25.15	1.86	0.64	2.91	0.00	0.00	0.00
25.20	1.86	0.64	2.91	0.00	0.00	0.00
25.25	1.86	0.64	2.91	0.00	0.00	0.00
25.30	1.86	0.64	2.91	0.00	0.00	0.00
25.35	1.86	0.64	2.91	0.00	0.00	0.00
25.40	1.86	0.64	2.90	0.00	0.00	0.00
25.45	1.86	0.64	2.90	0.00	0.00	0.00
25.50	1.86	0.64	2.90	0.00	0.00	0.00
25.55	1.86	0.64	2.90	0.00	0.00	0.00
25.60	1.86	0.64	2.89	0.00	0.00	0.00
25.65	1.86	0.64	2.89	0.00	0.00	0.00
25.70	1.86	0.64	2.89	0.00	0.00	0.00
25.75	1.86	0.64	2.89	0.00	0.00	0.00
25.80	1.86	0.64	2.89	0.00	0.00	0.00
25.85	1.86	0.64	2.88	0.00	0.00	0.00
25.90	1.86	0.64	2.88	0.00	0.00	0.00
25.95	1.86	0.64	2.88	0.00	0.00	0.00
26.00	1.86	0.65	2.88	0.00	0.00	0.00
26.05	1.86	0.65	2.87	0.00	0.00	0.00
26.10	1.86	0.65	2.87	0.00	0.00	0.00
26.15	1.86	0.65	2.87	0.00	0.00	0.00
26.20	1.86	0.65	2.87	0.00	0.00	0.00
26.25	1.86	0.65	2.87	0.00	0.00	0.00
26.30	1.86	0.65	2.86	0.00	0.00	0.00
26.35	1.86	0.65	2.86	0.00	0.00	0.00
26.40	1.86	0.65	2.86	0.00	0.00	0.00
26.45	1.86	0.65	2.86	0.00	0.00	0.00
26.50	1.86	0.65	2.86	0.00	0.00	0.00
26.55	1.86	0.65	2.85	0.00	0.00	0.00
26.60	1.86	0.65	2.85	0.00	0.00	0.00
26.65	1.86	0.65	2.85	0.00	0.00	0.00



UNTITLED.sum

26.70	1.86	0.65	2.85	0.00	0.00	0.00
26.75	1.86	0.65	2.85	0.00	0.00	0.00
26.80	1.86	0.65	2.84	0.00	0.00	0.00
26.85	1.86	0.65	2.84	0.00	0.00	0.00
26.90	1.87	0.65	2.86	0.00	0.00	0.00
26.95	1.87	0.65	2.85	0.00	0.00	0.00
27.00	1.87	0.65	2.85	0.00	0.00	0.00
27.05	1.87	0.66	2.85	0.00	0.00	0.00
27.10	1.87	0.66	2.85	0.00	0.00	0.00
27.15	1.87	0.66	2.84	0.00	0.00	0.00
27.20	1.86	0.66	2.84	0.00	0.00	0.00
27.25	1.86	0.66	2.84	0.00	0.00	0.00
27.30	1.86	0.66	2.83	0.00	0.00	0.00
27.35	1.86	0.66	2.83	0.00	0.00	0.00
27.40	1.86	0.66	2.83	0.00	0.00	0.00
27.45	1.86	0.66	2.83	0.00	0.00	0.00
27.50	1.86	0.66	2.82	0.00	0.00	0.00
27.55	1.86	0.66	2.82	0.00	0.00	0.00
27.60	1.86	0.66	2.82	0.00	0.00	0.00
27.65	1.86	0.66	2.82	0.00	0.00	0.00
27.70	1.86	0.66	2.81	0.00	0.00	0.00
27.75	1.86	0.66	2.81	0.00	0.00	0.00
27.80	1.86	0.66	2.81	0.00	0.00	0.00
27.85	1.86	0.66	2.80	0.00	0.00	0.00
27.90	1.86	0.66	2.80	0.00	0.00	0.00
27.95	1.86	0.66	2.80	0.00	0.00	0.00
28.00	1.86	0.66	2.80	0.00	0.00	0.00
28.05	1.86	0.66	2.79	0.00	0.00	0.00
28.10	1.86	0.66	2.79	0.00	0.00	0.00
28.15	1.85	0.67	2.79	0.00	0.00	0.00
28.20	1.85	0.67	2.79	0.00	0.00	0.00
28.25	1.85	0.67	2.78	0.00	0.00	0.00
28.30	1.85	0.67	2.78	0.00	0.00	0.00
28.35	1.85	0.67	2.78	0.00	0.00	0.00
28.40	1.85	0.67	2.78	0.00	0.00	0.00
28.45	1.85	0.67	2.77	0.00	0.00	0.00
28.50	1.85	0.67	2.77	0.00	0.00	0.00
28.55	1.85	0.67	2.77	0.00	0.00	0.00
28.60	1.85	0.67	2.77	0.00	0.00	0.00
28.65	1.85	0.67	2.76	0.00	0.00	0.00
28.70	1.85	0.67	2.76	0.00	0.00	0.00
28.75	1.85	0.67	2.76	0.00	0.00	0.00
28.80	1.85	0.67	2.76	0.00	0.00	0.00
28.85	1.85	0.67	2.75	0.00	0.00	0.00
28.90	1.85	0.67	2.75	0.00	0.00	0.00
28.95	1.85	0.67	2.75	0.00	0.00	0.00
29.00	1.85	0.67	2.75	0.00	0.00	0.00
29.05	1.85	0.67	2.74	0.00	0.00	0.00
29.10	1.84	0.67	2.74	0.00	0.00	0.00
29.15	1.84	0.67	2.74	0.00	0.00	0.00
29.20	1.84	0.67	2.74	0.00	0.00	0.00
29.25	1.84	0.67	2.73	0.00	0.00	0.00
29.30	1.84	0.67	2.73	0.00	0.00	0.00
29.35	1.84	0.68	2.73	0.00	0.00	0.00
29.40	1.84	0.68	2.73	0.00	0.00	0.00
29.45	1.84	0.68	2.72	0.00	0.00	0.00
29.50	1.84	0.68	2.72	0.00	0.00	0.00
29.55	1.84	0.68	2.72	0.00	0.00	0.00
29.60	1.84	0.68	2.72	0.00	0.00	0.00
29.65	1.84	0.68	2.71	0.00	0.00	0.00
29.70	1.84	0.68	2.71	0.00	0.00	0.00
29.75	1.84	0.68	2.71	0.00	0.00	0.00
29.80	1.84	0.68	2.71	0.00	0.00	0.00
29.85	1.84	0.68	2.70	0.00	0.00	0.00
29.90	1.84	0.68	2.70	0.00	0.00	0.00
29.95	1.84	0.68	2.70	0.00	0.00	0.00
30.00	1.84	0.68	2.70	0.00	0.00	0.00

UNTITLED.sum

30.05	1.84	0.68	2.70	0.00	0.00	0.00
30.10	1.83	0.68	2.70	0.00	0.00	0.00
30.15	1.83	0.68	2.69	0.00	0.00	0.00
30.20	1.83	0.68	2.69	0.00	0.00	0.00
30.25	1.83	0.68	2.69	0.00	0.00	0.00
30.30	1.83	0.68	2.69	0.00	0.00	0.00
30.35	1.83	0.68	2.69	0.00	0.00	0.00
30.40	1.83	0.68	2.69	0.00	0.00	0.00
30.45	1.83	0.68	2.69	0.00	0.00	0.00
30.50	1.83	0.68	2.68	0.00	0.00	0.00
30.55	1.83	0.68	2.68	0.00	0.00	0.00
30.60	1.83	0.68	2.68	0.00	0.00	0.00
30.65	1.83	0.68	2.68	0.00	0.00	0.00
30.70	1.83	0.68	2.68	0.00	0.00	0.00
30.75	1.83	0.68	2.68	0.00	0.00	0.00
30.80	1.83	0.68	2.68	0.00	0.00	0.00
30.85	1.83	0.68	2.67	0.00	0.00	0.00
30.90	1.83	0.68	2.67	0.00	0.00	0.00
30.95	1.83	0.68	2.67	0.00	0.00	0.00
31.00	1.83	0.68	2.67	0.00	0.00	0.00
31.05	1.82	0.68	2.67	0.00	0.00	0.00
31.10	1.82	0.68	2.67	0.00	0.00	0.00
31.15	1.82	0.68	2.67	0.00	0.00	0.00
31.20	1.82	0.68	2.66	0.00	0.00	0.00
31.25	1.82	0.68	2.66	0.00	0.00	0.00
31.30	1.82	0.68	2.66	0.00	0.00	0.00
31.35	1.82	0.68	2.66	0.00	0.00	0.00
31.40	1.82	0.68	2.66	0.00	0.00	0.00
31.45	1.82	0.68	2.66	0.00	0.00	0.00
31.50	1.82	0.69	2.66	0.00	0.00	0.00
31.55	1.82	0.69	2.66	0.00	0.00	0.00
31.60	1.82	0.69	2.65	0.00	0.00	0.00
31.65	1.82	0.69	2.65	0.00	0.00	0.00
31.70	1.82	0.69	2.65	0.00	0.00	0.00
31.75	1.82	0.69	2.65	0.00	0.00	0.00
31.80	1.82	0.69	2.65	0.00	0.00	0.00
31.85	1.82	0.69	2.65	0.00	0.00	0.00
31.90	1.82	0.69	2.65	0.00	0.00	0.00
31.95	1.82	0.69	2.65	0.00	0.00	0.00
32.00	1.82	0.69	2.64	0.00	0.00	0.00
32.05	1.81	0.69	2.64	0.00	0.00	0.00
32.10	1.81	0.69	2.64	0.00	0.00	0.00
32.15	1.81	0.69	2.64	0.00	0.00	0.00
32.20	1.81	0.69	2.64	0.00	0.00	0.00
32.25	1.81	0.69	2.64	0.00	0.00	0.00
32.30	1.81	0.69	2.64	0.00	0.00	0.00
32.35	1.81	0.69	2.64	0.00	0.00	0.00
32.40	1.81	0.69	2.63	0.00	0.00	0.00
32.45	1.81	0.69	2.63	0.00	0.00	0.00
32.50	1.81	0.69	2.63	0.00	0.00	0.00
32.55	1.81	0.69	2.63	0.00	0.00	0.00
32.60	1.81	0.69	2.63	0.00	0.00	0.00
32.65	1.81	0.69	2.63	0.00	0.00	0.00
32.70	1.81	0.69	2.63	0.00	0.00	0.00
32.75	1.81	0.69	2.63	0.00	0.00	0.00
32.80	1.81	0.69	2.62	0.00	0.00	0.00
32.85	1.81	0.69	2.62	0.00	0.00	0.00
32.90	1.81	0.69	2.62	0.00	0.00	0.00
32.95	1.81	0.69	2.62	0.00	0.00	0.00
33.00	1.81	0.69	2.62	0.00	0.00	0.00
33.05	1.80	0.69	2.62	0.00	0.00	0.00
33.10	1.80	0.69	2.62	0.00	0.00	0.00
33.15	1.80	0.69	2.62	0.00	0.00	0.00
33.20	1.80	0.69	2.62	0.00	0.00	0.00
33.25	1.80	0.69	2.61	0.00	0.00	0.00
33.30	1.80	0.69	2.61	0.00	0.00	0.00
33.35	1.80	0.69	2.61	0.00	0.00	0.00

UNTITLED.sum

33.40	1.80	0.69	2.61	0.00	0.00	0.00
33.45	1.80	0.69	2.61	0.00	0.00	0.00
33.50	1.80	0.69	2.61	0.00	0.00	0.00
33.55	1.80	0.69	2.61	0.00	0.00	0.00
33.60	1.80	0.69	2.61	0.00	0.00	0.00
33.65	1.80	0.69	2.61	0.00	0.00	0.00
33.70	1.80	0.69	2.60	0.00	0.00	0.00
33.75	1.80	0.69	2.60	0.00	0.00	0.00
33.80	1.80	0.69	2.60	0.00	0.00	0.00
33.85	1.80	0.69	2.60	0.00	0.00	0.00
33.90	1.80	0.69	2.60	0.00	0.00	0.00
33.95	1.80	0.69	2.60	0.00	0.00	0.00
34.00	1.80	0.69	2.60	0.00	0.00	0.00
34.05	1.79	0.69	2.60	0.00	0.00	0.00
34.10	1.79	0.69	2.60	0.00	0.00	0.00
34.15	1.79	0.69	2.60	0.00	0.00	0.00
34.20	1.79	0.69	2.59	0.00	0.00	0.00
34.25	1.79	0.69	2.59	0.00	0.00	0.00
34.30	1.79	0.69	2.59	0.00	0.00	0.00
34.35	1.79	0.69	2.59	0.00	0.00	0.00
34.40	1.79	0.69	2.59	0.00	0.00	0.00
34.45	1.79	0.69	2.59	0.00	0.00	0.00
34.50	1.79	0.69	2.59	0.00	0.00	0.00
34.55	1.79	0.69	2.59	0.00	0.00	0.00
34.60	1.79	0.69	2.59	0.00	0.00	0.00
34.65	1.79	0.69	2.59	0.00	0.00	0.00
34.70	1.79	0.69	2.58	0.00	0.00	0.00
34.75	1.79	0.69	2.58	0.00	0.00	0.00
34.80	1.79	0.69	2.58	0.00	0.00	0.00
34.85	1.79	0.69	2.58	0.00	0.00	0.00
34.90	1.79	0.69	2.58	0.00	0.00	0.00
34.95	1.79	0.69	2.58	0.00	0.00	0.00
35.00	1.79	0.69	2.58	0.00	0.00	0.00
35.05	1.79	0.69	2.58	0.00	0.00	0.00
35.10	1.78	0.69	2.58	0.00	0.00	0.00
35.15	1.78	0.69	2.58	0.00	0.00	0.00
35.20	1.78	0.69	2.57	0.00	0.00	0.00
35.25	1.78	0.69	2.57	0.00	0.00	0.00
35.30	1.78	0.69	2.57	0.00	0.00	0.00
35.35	1.78	0.69	2.57	0.00	0.00	0.00
35.40	1.78	0.69	2.57	0.00	0.00	0.00
35.45	1.78	0.69	2.57	0.00	0.00	0.00
35.50	1.78	0.69	2.57	0.00	0.00	0.00
35.55	1.78	0.69	2.57	0.00	0.00	0.00
35.60	1.78	0.69	2.57	0.00	0.00	0.00
35.65	1.78	0.69	2.57	0.00	0.00	0.00
35.70	1.78	0.69	2.57	0.00	0.00	0.00
35.75	1.78	0.69	2.56	0.00	0.00	0.00
35.80	1.78	0.69	2.56	0.00	0.00	0.00
35.85	1.78	0.69	2.56	0.00	0.00	0.00
35.90	1.78	0.69	2.56	0.00	0.00	0.00
35.95	1.78	0.69	2.56	0.00	0.00	0.00
36.00	1.78	0.69	2.56	0.00	0.00	0.00
36.05	1.78	0.69	2.56	0.00	0.00	0.00
36.10	1.78	0.69	2.56	0.00	0.00	0.00
36.15	1.78	0.69	2.56	0.00	0.00	0.00
36.20	1.77	0.69	2.56	0.00	0.00	0.00
36.25	1.77	0.69	2.56	0.00	0.00	0.00
36.30	1.77	0.69	2.56	0.00	0.00	0.00
36.35	1.77	0.69	2.56	0.00	0.00	0.00
36.40	1.77	0.69	2.56	0.00	0.00	0.00
36.45	1.77	0.69	2.56	0.00	0.00	0.00
36.50	1.77	0.69	2.56	0.00	0.00	0.00
36.55	1.77	0.69	2.55	0.00	0.00	0.00
36.60	1.77	0.69	2.55	0.00	0.00	0.00
36.65	1.77	0.69	2.55	0.00	0.00	0.00
36.70	1.77	0.69	2.55	0.00	0.00	0.00







UNTITLED.sum

46.80	1.73	0.68	2.53	0.00	0.00	0.00
46.85	1.73	0.68	2.53	0.00	0.00	0.00
46.90	1.73	0.68	2.53	0.00	0.00	0.00
46.95	1.73	0.68	2.53	0.00	0.00	0.00
47.00	1.73	0.68	2.53	0.00	0.00	0.00
47.05	1.73	0.68	2.53	0.00	0.00	0.00
47.10	1.73	0.68	2.53	0.00	0.00	0.00
47.15	1.73	0.68	2.53	0.00	0.00	0.00
47.20	1.73	0.68	2.53	0.00	0.00	0.00
47.25	1.73	0.68	2.53	0.00	0.00	0.00
47.30	1.73	0.68	2.53	0.00	0.00	0.00
47.35	1.72	0.68	2.53	0.00	0.00	0.00
47.40	1.72	0.68	2.53	0.00	0.00	0.00
47.45	1.72	0.68	2.53	0.00	0.00	0.00
47.50	1.72	0.68	2.53	0.00	0.00	0.00
47.55	1.72	0.68	2.53	0.00	0.00	0.00
47.60	1.72	0.68	2.53	0.00	0.00	0.00
47.65	1.72	0.68	2.53	0.00	0.00	0.00
47.70	1.72	0.68	2.53	0.00	0.00	0.00
47.75	1.72	0.68	2.53	0.00	0.00	0.00
47.80	1.72	0.68	2.53	0.00	0.00	0.00
47.85	1.72	0.68	2.53	0.00	0.00	0.00
47.90	1.72	0.68	2.53	0.00	0.00	0.00
47.95	1.72	0.68	2.53	0.00	0.00	0.00
48.00	1.72	0.68	2.53	0.00	0.00	0.00
48.05	1.72	0.68	2.53	0.00	0.00	0.00
48.10	1.72	0.68	2.53	0.00	0.00	0.00
48.15	1.72	0.68	2.53	0.00	0.00	0.00
48.20	1.72	0.68	2.53	0.00	0.00	0.00
48.25	1.72	0.68	2.53	0.00	0.00	0.00
48.30	1.72	0.68	2.53	0.00	0.00	0.00
48.35	1.72	0.68	2.53	0.00	0.00	0.00
48.40	1.72	0.68	2.53	0.00	0.00	0.00
48.45	1.72	0.68	2.53	0.00	0.00	0.00
48.50	1.72	0.68	2.53	0.00	0.00	0.00
48.55	1.72	0.68	2.53	0.00	0.00	0.00
48.60	1.72	0.68	2.53	0.00	0.00	0.00
48.65	1.72	0.68	2.53	0.00	0.00	0.00
48.70	1.72	0.68	2.53	0.00	0.00	0.00
48.75	1.72	0.68	2.53	0.00	0.00	0.00
48.80	1.72	0.68	2.53	0.00	0.00	0.00
48.85	1.72	0.68	2.53	0.00	0.00	0.00
48.90	1.72	0.68	2.53	0.00	0.00	0.00
48.95	1.72	0.68	2.53	0.00	0.00	0.00
49.00	1.72	0.68	2.53	0.00	0.00	0.00
49.05	1.72	0.68	2.53	0.00	0.00	0.00
49.10	1.72	0.68	2.53	0.00	0.00	0.00
49.15	1.72	0.68	2.53	0.00	0.00	0.00
49.20	1.72	0.68	2.53	0.00	0.00	0.00
49.25	1.72	0.68	2.53	0.00	0.00	0.00
49.30	1.72	0.68	2.53	0.00	0.00	0.00
49.35	1.72	0.68	2.53	0.00	0.00	0.00
49.40	1.72	0.68	2.53	0.00	0.00	0.00
49.45	1.72	0.68	2.53	0.00	0.00	0.00
49.50	1.72	0.68	2.53	0.00	0.00	0.00
49.55	1.72	0.68	2.54	0.00	0.00	0.00
49.60	1.72	0.68	2.54	0.00	0.00	0.00
49.65	1.71	0.68	2.54	0.00	0.00	0.00
49.70	1.71	0.68	2.54	0.00	0.00	0.00
49.75	1.71	0.68	2.54	0.00	0.00	0.00
49.80	1.71	0.68	2.54	0.00	0.00	0.00
49.85	1.71	0.68	2.54	0.00	0.00	0.00
49.90	1.71	0.68	2.54	0.00	0.00	0.00
49.95	1.71	0.68	2.54	0.00	0.00	0.00
50.00	1.71	0.68	2.54	0.00	0.00	0.00

\* F.S.<1, Liquefaction Potential Zone

(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

---

1 atm (atmosphere) = 1 tsf (ton/ft<sup>2</sup>)

CRRm	Cyclic resistance ratio from soils
CSRsf	Cyclic stress ratio induced by a given earthquake (with user request factor of safety)
F.S.	Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat	Settlement from saturated sands
S_dry	Settlement from Unsaturated Sands
S_all	Total Settlement from Saturated and Unsaturated Sands
NoLiq	No-Liquefy Soils



**APPENDIX D**  
**EDR REPORT**

**Mt. San Antonio College Parking & Circulation MP**

1100 N. Grand Avenue

Walnut, CA 91789

Inquiry Number: 5085390.2s

October 24, 2017

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1100 N. GRAND AVENUE  
WALNUT, CA 91789

#### COORDINATES

Latitude (North): 34.0459290 - 34° 2' 45.34"  
Longitude (West): 117.8413910 - 117° 50' 29.00"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 422338.4  
UTM Y (Meters): 3767373.2  
Elevation: 737 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5619080 SAN DIMAS, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140527, 20140515, 20140513  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
1100 N. GRAND AVENUE  
WALNUT, CA 91789

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MT. SAN ANTONIO COLL	1100 GRAND	LUST, HIST CORTESE, NPDES		TP
A2	MT SAN ANTONIO COLLE	1100 N GRAND AVE	LOS ANGELES CO. HMS		TP
A3	MT. SAN ANTONIO COLL	1100 GRAND AVE., N.	RGA LUST		TP
A4	MT. SAN ANTONIO COLL	1100 GRAND AVE N	RGA LUST		TP
A5	MT. SAN ANTONIO COMM	1100 NGRAND AVE	EMI		TP
A6	OAKDALE MEMORIAL PAR	1100 GRAND AVE N	FINDS		TP
A7	RUBEN R FLORES	1100 N GRAND AVE	PEST LIC		TP
A8	MT. SAN ANTONIO COMM	1100 N GRAND AVE BLD	EMI		TP
A9	VERIZON WIRELESS: BU	1100 NORTH GRAND AVE	FINDS		TP
A10	MT SAN ANTONIO COMMU	1100 N. GRAND AVENUE	EMI		TP
A11	CITY OF WALNUT/MT SA	1100 N GRAND AVE	HAZNET		TP
A12	MT SAN ANTONIO COLLE	1100 N GRAND AVE	HAZNET		TP
A13	MT. SAC WEST PARCEL	1100 N GRAND AVENUE	NPDES		TP
A14	MT. SAN ANTONIO COLL	1100 N GRAND AVENUE	AST		TP
A15	MTSAC MAJOR GRADING	1100 N GRAND AVENUE	ECHO		TP
A16	M C P URETHANES DIV	1100 N GRAND AVE TRA	HAZNET		TP
A17	MT. SAN ANTONIO COMM	1100 N GRAND AVE	RCRA-LQG, UST, SWEEPS UST, HIST UST, CA FID UST,...		TP
A18	MT SAN ANTONIO COMM	1100 N GRAND AVE	HAZNET		TP
A19	LA COUNTY SANITATION	1100 N GRAND AVE	HAZNET, NPDES		TP
A20	MSAC PARKING STRUCTU	1100 NORTH GRAND AVE	NPDES		TP
Reg	SAN GABRIEL VALLEY		AOCONCERN	Same	3676, 0.696, SE
B21	ARMY FIELD OP HOSPIT		ENVIROSTOR	Higher	1 ft.
22	MY KIDS	1902 E EDINGER AVE	FINDS	Higher	1 ft.
23	POMONA BRICK COMPANY	1000' N GRAND 1800'	WMUDS/SWAT	Lower	1 ft.
B24	SPADRA GENERAL HOSP		ENVIROSTOR	Higher	1 ft.
C25	ROGERS KEN CHEVRON S	1201 GRAND	EDR Hist Auto	Lower	47, 0.009, WSW
C26	EXXON #7-6245	1203 GRAND	LUST, HIST CORTESE	Lower	52, 0.010, WSW
C27	LEE DAVID	1229 N GRAND AVE	EDR Hist Cleaner	Lower	121, 0.023, WSW
C28	SPACE AGE 39 MINUTE	1229 N GRAND AVE	RCRA-SQG, FINDS, ECHO, EMI, HAZNET	Lower	121, 0.023, WSW
D29	COLLEGEWOOD CLEANERS	1317 N GRAND AVE	EDR Hist Cleaner	Higher	123, 0.023, West
D30	COLLEGEWOOD CLEANERS	1317 GRAND AVE	EDR Hist Cleaner	Higher	123, 0.023, West
E31	A PLUS CLEANERS	1355 N GRAND AVE	EDR Hist Cleaner	Higher	123, 0.023, West
E32	LEWIS CLEANERS	1345 N GRAND AVE	EDR Hist Cleaner	Higher	123, 0.023, West
33	DON JIREH	21074 GRANITE WELLS	EDR Hist Cleaner	Higher	154, 0.029, NNW
C34	CHEVRON USA SS 20202	1203 N GRAND AVE	UST	Lower	178, 0.034, WSW
C35	CHEVRON 202029	1203 N GRAND AVE.	RCRA-LQG, FINDS, ECHO	Lower	178, 0.034, WSW
C36	DAVES CHEVRON INC	1203 N GRAND AVE	EDR Hist Auto	Lower	178, 0.034, WSW
C37	CHEVRON #20-2029	1203 N GRAND AVE	LUST	Lower	178, 0.034, WSW
D38	LEES SHELL SERVICE	1325 N GRAND	EDR Hist Auto	Higher	200, 0.038, West

MAPPED SITES SUMMARY

Target Property Address:  
 1100 N. GRAND AVENUE  
 WALNUT, CA 91789

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">39</a>	SUPER FOCUS	1205 N GRAND AVE	RCRA-SQG, SWEEPS UST, FINDS, ECHO, HAZNET	Lower	285, 0.054, WSW
<a href="#">40</a>	DISCOUNT TIRES & AUT	21050 STODDARD WELLS	EDR Hist Auto	Higher	412, 0.078, NNW
<a href="#">F41</a>	RITZ CLEANERS	20747 5 AMAR RD	RCRA-SQG, FINDS, ECHO, DRYCLEANERS	Lower	610, 0.116, WSW
<a href="#">F42</a>	RITZ CLEANERS	20747 AMAR RD STE 5	EDR Hist Cleaner	Lower	610, 0.116, WSW
<a href="#">43</a>	SPADRA LDFL	4125 W VALLEY BLVD	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, SWF/LF,...	Lower	3022, 0.572, ESE
<a href="#">44</a>	TITECH	4000 WEST VALLEY BLV	ENVIROSTOR, VCP, DEED, CHMIRS	Lower	3257, 0.617, ESE
<a href="#">45</a>	WESTHOFF ELEMENTARY	1323 COUNTRY HOLLOW	ENVIROSTOR, SCH	Higher	3913, 0.741, WSW
<a href="#">46</a>	CONSOLIDATED PRECISI	4200 W VALLEY BLVD	ENVIROSTOR, TRIS, ICIS, US AIRS, EMI, LOS ANGELES...	Lower	4028, 0.763, SE
<a href="#">47</a>	IMI TITECH TITANIUM	4000 W. VALLEY BLVD.	ENVIROSTOR, SLIC, WIP	Lower	4172, 0.790, ESE

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
MT. SAN ANTONIO COLL 1100 GRAND WALNUT, CA 91789	LUST Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/12/2017 Status: Completed - Case Closed Facility Id: I-13394 Status: Case Closed Global Id: T0603704066 Global ID: T0603704066  HIST CORTESE Reg Id: I-13394  NPDES	N/A
MT SAN ANTONIO COLLE 1100 N GRAND AVE WALNUT, CA 91789	LOS ANGELES CO. HMS Facility ID: 013117-041166	N/A
MT. SAN ANTONIO COLL 1100 GRAND AVE., N. WALNUT, CA	RGA LUST	N/A
MT. SAN ANTONIO COLL 1100 GRAND AVE N WALNUT, CA	RGA LUST	N/A
MT. SAN ANTONIO COMM 1100 N GRAND AVE WALNUT, CA 91789	EMI Facility Id: 4347	N/A
OAKDALE MEMORIAL PAR 1100 GRAND AVE N WALNUT, CA 91789	FINDS Registry ID:: 110065771150	N/A
RUBEN R FLORES 1100 N GRAND AVE WALNUT, CA 91789	PEST LIC	N/A
MT. SAN ANTONIO COMM 1100 N GRAND AVE BLD WALNUT, CA 91789	EMI Facility Id: 4347	N/A
VERIZON WIRELESS: BU 1100 NORTH GRAND AVE WALNUT, CA 91789	FINDS	N/A

## EXECUTIVE SUMMARY

Registry ID:: 110065372180

<p>MT SAN ANTONIO COMMU 1100 N. GRAND AVENUE WALNUT, CA 91789</p>	<p>EMI Facility Id: 4347</p>	<p>N/A</p>
<p>CITY OF WALNUT/MT SA 1100 N GRAND AVE WALNUT, CA 91789</p>	<p>HAZNET GEPaid: CAH777001122</p>	<p>N/A</p>
<p>MT SAN ANTONIO COLLE 1100 N GRAND AVE WALNUT, CA 91789</p>	<p>HAZNET GEPaid: CAL000069089</p>	<p>N/A</p>
<p>MT. SAC WEST PARCEL 1100 N GRAND AVENUE WALNUT, CA 91789</p>	<p>NPDES Facility Status: Active</p>	<p>N/A</p>
<p>MT. SAN ANTONIO COLL 1100 N GRAND AVENUE WALNUT, CA 91789</p>	<p>AST</p>	<p>N/A</p>
<p>MTSAC MAJOR GRADING 1100 N GRAND AVENUE WALNUT, CA 91789</p>	<p>ECHO</p>	<p>N/A</p>
<p>M C P URETHANES DIV 1100 N GRAND AVE TRA WALNUT, CA 91789</p>	<p>HAZNET GEPaid: CAP000056457</p>	<p>N/A</p>
<p>MT. SAN ANTONIO COMM 1100 N GRAND AVE WALNUT, CA 91789</p>	<p>RCRA-LQG EPA ID:: CAD102985108  UST Database: UST, Date of Government Version: 06/12/2017 Facility Id: LACoFA0012888 Facility Id: 13394  SWEEPS UST Status: A Tank Status: A Comp Number: 13394  HIST UST</p>	<p>CAD102985108</p>



## EXECUTIVE SUMMARY

Facility Id: 00000029605

CA FID UST

Facility Id: 19002882

Status: A

FINDS

Registry ID:: 110002421825

ECHO

EMI

Facility Id: 4347

LOS ANGELES CO. HMS

Facility ID: 013117-013394

NPDES

Facility Status: Active

Facility Status: Terminated

MT SAN ANTONIO COMM  
1100 N GRAND AVE  
WALNUT, CA 91789

HAZNET

GEPaid: CAD102985108

N/A

LA COUNTY SANITATION  
1100 N GRAND AVE  
WALNUT, CA 91789

HAZNET

GEPaid: CAH111000883

N/A

NPDES

Facility Status: Active

MSAC PARKING STRUCTU  
1100 NORTH GRAND AVE  
WALNUT, CA 91789

NPDES

Facility Status: Terminated

N/A

### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### **STANDARD ENVIRONMENTAL RECORDS**

#### ***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

## EXECUTIVE SUMMARY

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***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  
INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Program Properties  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

# EXECUTIVE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

US BROWNFIELDS..... A Listing of Brownfields Sites

### **Local Lists of Landfill / Solid Waste Disposal Sites**

SWRCY..... Recycler 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  
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**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 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

## EXECUTIVE SUMMARY

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
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
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
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

RGA LF..... Recovered Government Archive Solid Waste Facilities List

### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

## EXECUTIVE SUMMARY

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 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.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>CHEVRON 202029</i></b>	<b><i>1203 N GRAND AVE.</i></b>	<b><i>WSW 0 - 1/8 (0.034 mi.)</i></b>	<b><i>C35</i></b>	<b><i>81</i></b>

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 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SPACE AGE 39 MINUTE</i></b>	<b><i>1229 N GRAND AVE</i></b>	<b><i>WSW 0 - 1/8 (0.023 mi.)</i></b>	<b><i>C28</i></b>	<b><i>75</i></b>
<b><i>SUPER FOCUS</i></b>	<b><i>1205 N GRAND AVE</i></b>	<b><i>WSW 0 - 1/8 (0.054 mi.)</i></b>	<b><i>39</i></b>	<b><i>86</i></b>
<b><i>RITZ CLEANERS</i></b>	<b><i>20747 5 AMAR RD</i></b>	<b><i>WSW 0 - 1/8 (0.116 mi.)</i></b>	<b><i>F41</i></b>	<b><i>89</i></b>

#### ***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 identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to,

## EXECUTIVE SUMMARY

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 7 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARMY FIELD OP HOSPIT Facility Id: 80000970 Status: Inactive - Needs Evaluation		0 - 1/8 (0.000 mi.)	B21	68
SPADRA GENERAL HOSP Facility Id: 80000481 Status: Inactive - Needs Evaluation		0 - 1/8 (0.000 mi.)	B24	71
<b>WESTHOFF ELEMENTARY</b> Facility Id: 19010024 Status: Inactive - Withdrawn	<b>1323 COUNTRY HOLLOW</b>	<b>WSW 1/2 - 1 (0.741 mi.)</b>	<b>45</b>	<b>130</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SPADRA LDFL</b> Facility Id: 19490004 Status: Refer: RWQCB	<b>4125 W VALLEY BLVD</b>	<b>ESE 1/2 - 1 (0.572 mi.)</b>	<b>43</b>	<b>92</b>
<b>TITECH</b> Facility Id: 19340790 Status: Certified O&M - Land Use Restrictions Only	<b>4000 WEST VALLEY BLV</b>	<b>ESE 1/2 - 1 (0.617 mi.)</b>	<b>44</b>	<b>122</b>
<b>CONSOLIDATED PRECISI</b> Facility Id: 80001677 Facility Id: 71002577 Status: Inactive - Needs Evaluation Status: Refer: Other Agency	<b>4200 W VALLEY BLVD</b>	<b>SE 1/2 - 1 (0.763 mi.)</b>	<b>46</b>	<b>132</b>
<b>IMI TITECH TITANIUM</b> Facility Id: 71003095 Status: Refer: Other Agency	<b>4000 W. VALLEY BLVD.</b>	<b>ESE 1/2 - 1 (0.790 mi.)</b>	<b>47</b>	<b>163</b>

### **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 2 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>EXXON #7-6245</b> Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/12/2017 Status: Completed - Case Closed	<b>1203 GRAND</b>	<b>WSW 0 - 1/8 (0.010 mi.)</b>	<b>C26</b>	<b>72</b>

# EXECUTIVE SUMMARY

Facility Id: I-13371  
 Status: Case Closed  
 Global Id: T0603704064  
 Global ID: T0603704064

CHEVRON #20-2029                                      1203 N GRAND AVE                                      WSW 0 - 1/8 (0.034 mi.)      C37                                      84  
 Database: LUST, Date of Government Version: 06/12/2017  
 Status: Completed - Case Closed  
 Global Id: T0603789797

***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 is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON USA SS 20202 Database: UST, Date of Government Version: 06/12/2017 Facility Id: LACoFA0012889 Facility Id: 21182	1203 N GRAND AVE	WSW 0 - 1/8 (0.034 mi.)	C34	80

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POMONA BRICK COMPANY	1000' N GRAND 1800'	0 - 1/8 (0.000 mi.)	23	70

***Local Lists of Hazardous waste / Contaminated Sites***

AOCONCERN: San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

A review of the AOCONCERN list, as provided by EDR, and dated 03/30/2009 has revealed that there is 1 AOCONCERN site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN GABRIEL VALLEY		SE 1/2 - 1 (0.696 mi.)	0	68

## EXECUTIVE SUMMARY

### 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 is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SUPER FOCUS</b> Status: A Tank Status: A Comp Number: 13371	1205 N GRAND AVE	WSW 0 - 1/8 (0.054 mi.)	39	86

### Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/23/2017 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MY KIDS	1902 E EDINGER AVE	0 - 1/8 (0.000 mi.)	22	69

DRYCLEANERS: 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 08/02/2017 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RITZ CLEANERS</b> EPA Id: CA0000839852	20747 5 AMAR RD	WSW 0 - 1/8 (0.116 mi.)	F41	89



## EXECUTIVE SUMMARY

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 [CALSTITES]. 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 is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>EXXON #7-6245</b> Reg Id: I-13371	<b>1203 GRAND</b>	<b>WSW 0 - 1/8 (0.010 mi.)</b>	<b>C26</b>	<b>72</b>

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/22/2017 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CONSOLIDATED PRECISI</b> EPA Id: CAD076243815 Cleanup Status: NON-OPERATING	<b>4200 W VALLEY BLVD</b>	<b>SE 1/2 - 1 (0.763 mi.)</b>	<b>46</b>	<b>132</b>

### 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 4 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LEES SHELL SERVICE	1325 N GRAND	W 0 - 1/8 (0.038 mi.)	D38	85
DISCOUNT TIRES & AUT	21050 STODDARD WELLS	NNW 0 - 1/8 (0.078 mi.)	40	89
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROGERS KEN CHEVRON S	1201 GRAND	WSW 0 - 1/8 (0.009 mi.)	C25	72
DAVES CHEVRON INC	1203 N GRAND AVE	WSW 0 - 1/8 (0.034 mi.)	C36	83

## EXECUTIVE SUMMARY

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 7 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COLLEGEWOOD CLEANERS	1317 N GRAND AVE	W 0 - 1/8 (0.023 mi.)	D29	79
COLLEGEWOOD CLEANERS	1317 GRAND AVE	W 0 - 1/8 (0.023 mi.)	D30	79
A PLUS CLEANERS	1355 N GRAND AVE	W 0 - 1/8 (0.023 mi.)	E31	79
LEWIS CLEANERS	1345 N GRAND AVE	W 0 - 1/8 (0.023 mi.)	E32	80
DON JIREH	21074 GRANITE WELLS	NNW 0 - 1/8 (0.029 mi.)	33	80
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LEE DAVID	1229 N GRAND AVE	WSW 0 - 1/8 (0.023 mi.)	C27	74
RITZ CLEANERS	20747 AMAR RD STE 5	WSW 0 - 1/8 (0.116 mi.)	F42	91

## EXECUTIVE SUMMARY

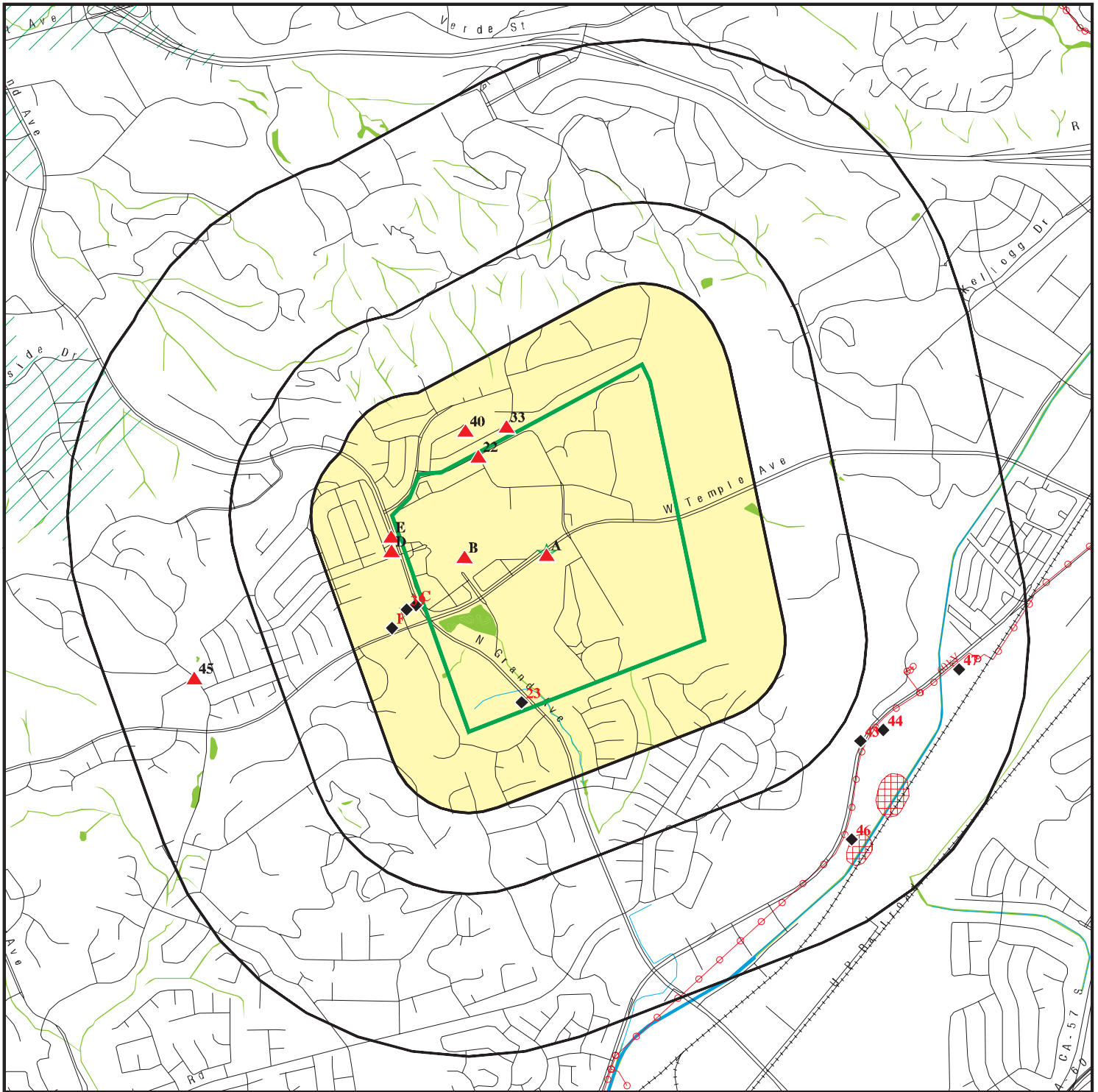
Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.















Site Name

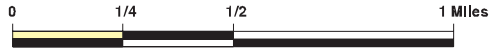
Database(s)

CDL

# OVERVIEW MAP - 5085390.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  Upgradient Area
-  Areas of Concern

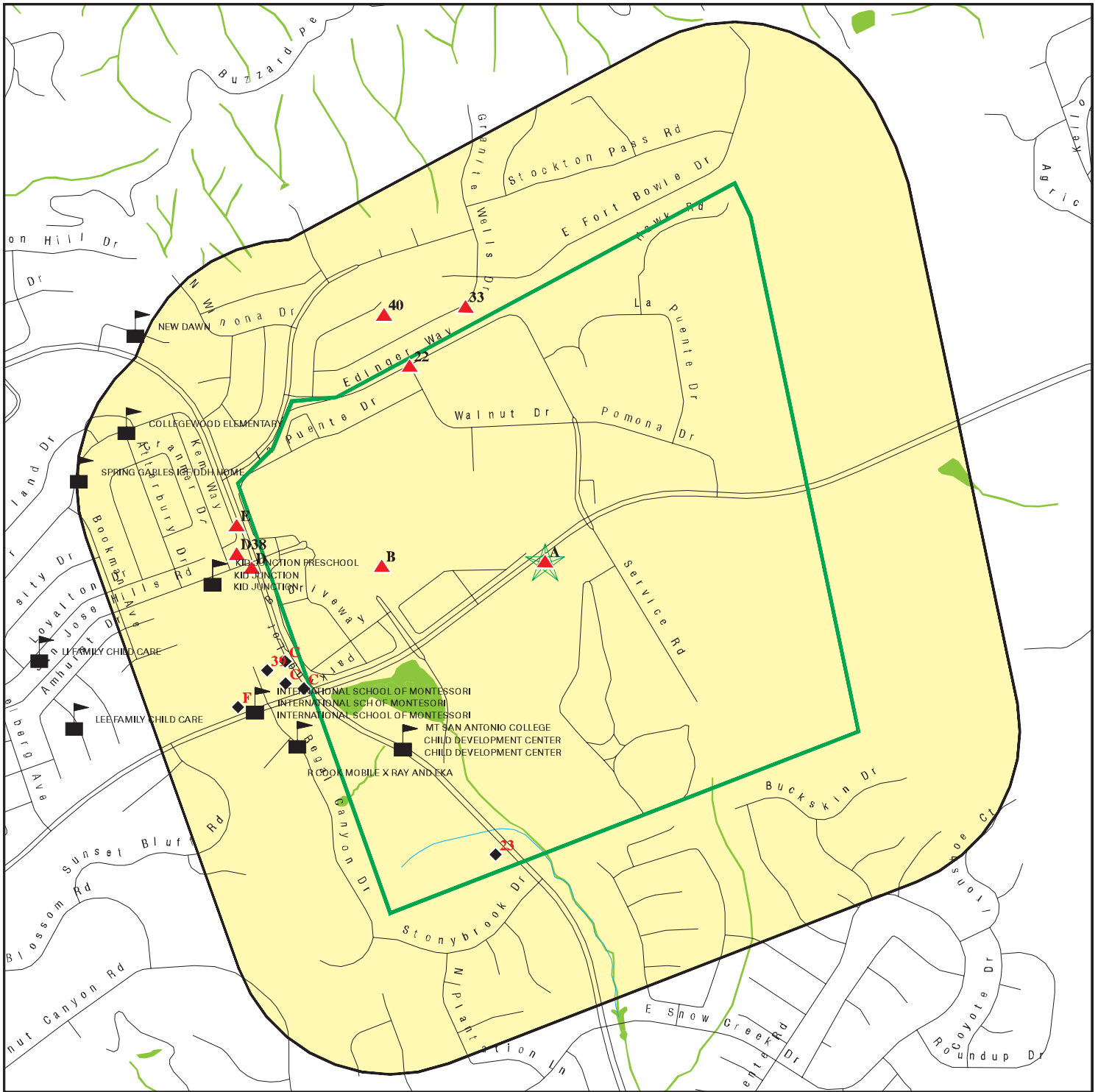


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mt. San Antonio College Parking & Circulation MP  
 ADDRESS: 1100 N. Grand Avenue  
 Walnut CA 91789  
 LAT/LONG: 34.045929 / 117.841391

CLIENT: Bonterra Psomas  
 CONTACT: Ashley Mccoy  
 INQUIRY #: 5085390.2s  
 DATE: October 24, 2017 3:44 pm

# DETAIL MAP - 5085390.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mt. San Antonio College Parking & Circulation MP  
 ADDRESS: 1100 N. Grand Avenue  
 Walnut CA 91789  
 LAT/LONG: 34.045929 / 117.841391

CLIENT: Bonterra Psomas  
 CONTACT: Ashley Mccoy  
 INQUIRY #: 5085390.2s  
 DATE: October 24, 2017 3:48 pm

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250	1	1	0	NR	NR	NR	2
RCRA-SQG	0.250		3	0	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	1.000		2	0	0	5	NR	7
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500	1	2	0	0	NR	NR	3

## 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	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	1	0	NR	NR	NR	2
AST	0.250	1	0	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		1	0	0	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	1	NR	1
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250	1	1	0	NR	NR	NR	2
HIST UST	0.250	1	0	0	NR	NR	NR	1
CA FID UST	0.250	1	0	0	NR	NR	NR	1
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	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	3	1	NR	NR	NR	NR	4
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	2	0	NR	NR	NR	NR	2
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		1	0	NR	NR	NR	1
EMI	0.001	4	0	NR	NR	NR	NR	4



## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	5	0	NR	NR	NR	NR	5
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	1	0	0	NR	NR	2
LOS ANGELES CO. HMS	0.001	2	0	NR	NR	NR	NR	2
HWP	1.000		0	0	0	1	NR	1
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	5	0	NR	NR	NR	NR	5
PEST LIC	0.001	1	0	NR	NR	NR	NR	1
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
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		4	NR	NR	NR	NR	4
EDR Hist Cleaner	0.125		7	NR	NR	NR	NR	7
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001	2	0	NR	NR	NR	NR	2
- Totals --		32	25	0	0	7	0	64

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1** **MT. SAN ANTONIO COLLEGE**  
**Target** **1100 GRAND**  
**Property** **WALNUT, CA 91789**

**LUST** **S104406606**  
**HIST CORTESE** **N/A**  
**NPDES**

**Site 1 of 20 in cluster A**

**Actual:**  
**737 ft.**

**LUST:**  
Region: STATE  
Global Id: T0603704066  
Latitude: 34.04299  
Longitude: -117.847463  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 06/19/1998  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Case Worker: JFL  
Local Agency: LOS ANGELES COUNTY  
RB Case Number: I-13394  
LOC Case Number: Not reported  
File Location: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**  
Global Id: T0603704066  
Contact Type: Regional Board Caseworker  
Contact Name: JOE F. LUERA  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: 320 W. 4TH STREET, SUITE 200  
City: LOS ANGELES  
Email: joe.luera@waterboards.ca.gov  
Phone Number: Not reported

Global Id: T0603704066  
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: T0603704066  
Status: Completed - Case Closed  
Status Date: 06/19/1998

Global Id: T0603704066  
Status: Open - Case Begin Date  
Status Date: 10/02/1990

Global Id: T0603704066  
Status: Open - Site Assessment  
Status Date: 10/02/1990

Global Id: T0603704066

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COLLEGE (Continued)**

**S104406606**

Status: Open - Site Assessment  
Status Date: 05/11/1995

Regulatory Activities:

Global Id: T0603704066  
Action Type: Other  
Date: 11/05/1990  
Action: Leak Reported

Global Id: T0603704066  
Action Type: Other  
Date: 10/10/1990  
Action: Leak Discovery

Global Id: T0603704066  
Action Type: Other  
Date: 10/10/1990  
Action: Leak Stopped

LUST REG 4:

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: I-13394  
Status: Case Closed  
Substance: Gasoline  
Substance Quantity: Not reported  
Local Case No: Not reported  
Case Type: Groundwater  
Abatement Method Used at the Site: Not reported  
Global ID: T0603704066  
W Global ID: Not reported  
Staff: JFL  
Local Agency: 19000  
Cross Street: TEMPLE AVE.  
Enforcement Type: Not reported  
Date Leak Discovered: 10/10/1990  
Date Leak First Reported: 11/5/1990  
Date Leak Record Entered: 12/5/1990  
Date Confirmation Began: Not reported  
Date Leak Stopped: 10/10/1990  
Date Case Last Changed on Database: 7/15/1998  
Date the Case was Closed: 6/19/1998  
How Leak Discovered: OM  
How Leak Stopped: Not reported  
Cause of Leak: UNK  
Leak Source: UNK  
Operator: LOEFFLER, ROBERT D.  
Water System: Not reported  
Well Name: Not reported  
Approx. Dist To Production Well (ft): 11293.748330965903149726619852  
Source of Cleanup Funding: UNK  
Preliminary Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 10/2/1990  
Pollution Characterization Began: 5/11/1995

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COLLEGE (Continued)**

**S104406606**

Remediation Plan Submitted: Not reported  
Remedial Action Underway: Not reported  
Post Remedial Action Monitoring Began: Not reported  
Enforcement Action Date: Not reported  
Historical Max MTBE Date: 1/1/1965  
Hist Max MTBE Conc in Groundwater: 16  
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: MT. SAN ANTONIO COLLEGE  
RP Address: 1100 N GRAND AVE., WALNUT CA 91789  
Program: LUST  
Lat/Long: 34.0416769 / -1  
Local Agency Staff: Not reported  
Beneficial Use: Not reported  
Priority: LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)  
Cleanup Fund Id: Not reported  
Suspended: Not reported  
Assigned Name: Not reported  
Summary: TANKS REMOVED. SOIL EXCAVATION CONDUCTED. MTBE NOT TESTED UNTIL  
9/97. 02/12/98 - GW  
MON RPT-4TH QTR 1997 07/15/98 - RPT OF WELL  
ABANDONMENT

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 19  
Reg By: LTNKA  
Reg Id: I-13394

**NPDES:**

Npdes Number: Not reported  
Facility Status: Not reported  
Agency Id: Not reported  
Region: 4  
Regulatory Measure Id: 437907  
Order No: Not reported  
Regulatory Measure Type: Construction  
Place Id: Not reported  
WDID: 4 19C366971  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: 05/15/2014  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
RECEIVED DATE: 06/05/2013  
PROCESSED DATE: 07/02/2013  
STATUS CODE NAME: Terminated

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COLLEGE (Continued)**

**S104406606**

STATUS DATE:	09/10/2014
PLACE SIZE:	2.55
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Gary Nellesen
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	909-274-5176
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	GNellesen@MtSAC.edu
OPERATOR NAME:	Mt San Antonio Collge
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Individual
DEVELOPER NAME:	Mt San Antonio College
DEVELOPER ADDRESS:	1100 N Grand Avenue
DEVELOPER CITY:	Walnut
DEVELOPER STATE:	California
DEVELOPER ZIP:	91789
DEVELOPER CONTACT NAME:	Gary Nellesen
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Community College
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Jose Creek
CERTIFIER NAME:	Rebecca Mitchell
CERTIFIER TITLE:	Manager, Facilities Support Services
CERTIFICATION DATE:	05-JUN-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A2** MT SAN ANTONIO COLLEGE  
**Target** 1100 N GRAND AVE  
**Property** WALNUT, CA 91789

LOS ANGELES CO. HMS S106409691  
N/A

**Site 2 of 20 in cluster A**

**Actual:**  
**737 ft.**

LOS ANGELES CO. HMS:

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000727478  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000727479  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000727480  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000728086  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000728090  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000728093

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT SAN ANTONIO COLLEGE (Continued)**

**S106409691**

Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000728098  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000728108  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000426474  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000727459  
Permit Status: Permit

Region: LA  
Permit Category: I  
Facility Id: 013117-041166  
Facility Type: 01  
Facility Status: Permit  
Area: 6L  
Permit Number: 000727469  
Permit Status: Permit

**A3  
Target  
Property**

**MT. SAN ANTONIO COLLEGE  
1100 GRAND AVE., N.  
WALNUT, CA**

**RGA LUST S114657425  
N/A**

**Site 3 of 20 in cluster A**

**Actual:  
737 ft.**

RGA LUST: 1993 MT. SAN ANTONIO COLLEGE 1100 GRAND AVE., N.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A4**            **MT. SAN ANTONIO COLLEGE**  
**Target**       **1100 GRAND AVE N**  
**Property**     **WALNUT, CA**

**RGA LUST**    **S114657424**  
**N/A**

**Site 4 of 20 in cluster A**

**Actual:**  
**737 ft.**

RGA LUST:

2012	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2011	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2010	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2009	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2008	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2007	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2006	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2005	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2003	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2002	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2001	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
2000	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
1998	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
1997	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
1996	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
1995	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N
1994	MT. SAN ANTONIO COLLEGE	1100 GRAND AVE N

**A5**            **MT. SAN ANTONIO COMMUNITY COLL**  
**Target**       **1100 NGRAND AVE**  
**Property**     **WALNUT, CA 91789**

**EMI**    **S116288934**  
**N/A**

**Site 5 of 20 in cluster A**

**Actual:**  
**737 ft.**

EMI:

Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	4347
Air District Name:	SC
SIC Code:	8222
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:	0.43007028439
Reactive Organic Gases Tons/Yr:	0.19942
Carbon Monoxide Emissions Tons/Yr:	2.53961
NOX - Oxides of Nitrogen Tons/Yr:	3.10057
SOX - Oxides of Sulphur Tons/Yr:	0.02982
Particulate Matter Tons/Yr:	0.40615
Part. Matter 10 Micrometers and Smlr Tons/Yr:	0.40494328



MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A6**      **OAKDALE MEMORIAL PARK**  
**Target**    **1100 GRAND AVE N**  
**Property**   **WALNUT, CA 91789**

**FINDS**    **1023286053**  
                 **N/A**

**Site 6 of 20 in cluster A**

**Actual:**  
**737 ft.**

**FINDS:**  
  
Registry ID:                    110065771150  
  
Environmental Interest/Information System  
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**A7**      **RUBEN R FLORES**  
**Target**    **1100 N GRAND AVE**  
**Property**   **WALNUT, CA 91789**

**PEST LIC**    **S120766213**  
                 **N/A**

**Site 7 of 20 in cluster A**

**Actual:**  
**737 ft.**

**PEST LIC:**  
Facility Type:                QAL  
Categories:                    B  
License No:                    138324  
Issued or Renewed Date:    02/07/2017  
Expiration Date:              12/31/2018

**A8**      **MT. SAN ANTONIO COMMUNITY COLLEGE**  
**Target**    **1100 N GRAND AVE BLDG 60 #1**  
**Property**   **WALNUT, CA 91789**

**EMI**        **S120713644**  
                 **N/A**

**Site 8 of 20 in cluster A**

**Actual:**  
**737 ft.**

**EMI:**  
Year:                            2015  
County Code:                  19  
Air Basin:                      SC  
Facility ID:                    4347  
Air District Name:              SC  
SIC Code:                       8222  
Air District Name:              SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3.3052448328  
Reactive Organic Gases Tons/Yr: 1.218668692  
Carbon Monoxide Emissions Tons/Yr: 13.490511443  
NOX - Oxides of Nitrogen Tons/Yr: 0.825883545  
SOX - Oxides of Sulphur Tons/Yr: 0.039014572  
Particulate Matter Tons/Yr: 0.39564222  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.39300199638

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A9** VERIZON WIRELESS: BUZZARD PEAK  
**Target** 1100 NORTH GRAND AVENUE  
**Property** WALNUT, CA 91789

**FINDS** 1023248769  
N/A

**Site 9 of 20 in cluster A**

**Actual:**  
737 ft.

FINDS:

Registry ID: 110065372180

Environmental Interest/Information System  
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access  
additional FINDS: detail in the EDR Site Report.

**A10** MT SAN ANTONIO COMMUNITY COLLEGE  
**Target** 1100 N. GRAND AVENUE  
**Property** WALNUT, CA 91789

**EMI** S106836026  
N/A

**Site 10 of 20 in cluster A**

**Actual:**  
737 ft.

EMI:

Year: 1990  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 6  
Reactive Organic Gases Tons/Yr: 5  
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

**A11** CITY OF WALNUT/MT SAN ANTONIO COLLEGE  
**Target** 1100 N GRAND AVE  
**Property** WALNUT, CA 91789

**HAZNET** S113021274  
N/A

**Site 11 of 20 in cluster A**

**Actual:**  
737 ft.

HAZNET:

envid: S113021274  
Year: 1999  
GEPaid: CAH777001122  
Contact: LA COUNTY SANITATION DISTRICT  
Telephone: 5629089572  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City, St, Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: AZD049318009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF WALNUT/MT SAN ANTONIO COLLEGE (Continued)**

**S113021274**

TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Not reported  
Tons: .8428  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113021274  
Year: 1999  
GEPaid: CAH777001122  
Contact: LA COUNTY SANITATION DISTRICT  
Telephone: 5629089572  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAD099452708  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: 6.3592  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113021274  
Year: 1999  
GEPaid: CAH777001122  
Contact: LA COUNTY SANITATION DISTRICT  
Telephone: 5629089572  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAD099452708  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Transfer Station  
Tons: 1.1676  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113021274  
Year: 1999  
GEPaid: CAH777001122  
Contact: LA COUNTY SANITATION DISTRICT  
Telephone: 5629089572  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAD050806850  
TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Transfer Station

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF WALNUT/MT SAN ANTONIO COLLEGE (Continued)**

**S113021274**

Tons: 54.2521  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

**A12  
Target  
Property**

**MT SAN ANTONIO COLLEGE  
1100 N GRAND AVE  
WALNUT, CA 91789**

**HAZNET S113048271  
N/A**

**Site 12 of 20 in cluster A**

**Actual:  
737 ft.**

HAZNET:  
envid: S113048271  
Year: 2011  
GEPaid: CAL000069089  
Contact: INACTIVE PER 2ND LTR 10-25-93  
Telephone: 7145945611  
Mailing Name: Not reported  
Mailing Address: 1100 GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAD982444481  
TSD County: Not reported  
Waste Category: Other inorganic solid waste  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.05  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

**A13  
Target  
Property**

**MT. SAC WEST PARCEL  
1100 N GRAND AVENUE  
WALNUT, CA 91789**

**NPDES S119086290  
N/A**

**Site 13 of 20 in cluster A**

**Actual:  
737 ft.**

NPDES:  
Npdes Number: CAS000002  
Facility Status: Active  
Agency Id: 0  
Region: 4  
Regulatory Measure Id: 479881  
Order No: 2009-0009-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 4 19C378229  
Program Type: Construction  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 11/21/2016  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Mt San Antonio College  
Discharge Address: 1100 N Grand Ave  
Discharge City: Walnut  
Discharge State: California

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAC WEST PARCEL (Continued)**

**S119086290**

Discharge Zip:	91789
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAC WEST PARCEL (Continued)**

**S119086290**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	479881
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C378229
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/21/2016
PROCESSED DATE:	11/21/2016
STATUS CODE NAME:	Active
STATUS DATE:	11/21/2016
PLACE SIZE:	17.3
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Rebecca Mitchell
FACILITY CONTACT TITLE:	Manager Facilities Support
FACILITY CONTACT PHONE:	909-274-5175
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	bmittchell@mtsac.edu
OPERATOR NAME:	Mt San Antonio College
OPERATOR ADDRESS:	1100 N Grand Ave
OPERATOR CITY:	Walnut
OPERATOR STATE:	California
OPERATOR ZIP:	91789
OPERATOR CONTACT NAME:	Rebecca Mitchell
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	909-274-5175
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	bmittchell@mtsac.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Mt San Antonio College
DEVELOPER ADDRESS:	1100 N Grand Ave
DEVELOPER CITY:	Walnut
DEVELOPER STATE:	California
DEVELOPER ZIP:	91789
DEVELOPER CONTACT NAME:	Rebecca Mitchell
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAC WEST PARCEL (Continued)**

**S119086290**

CONSTYPE GAS LINE IND: N  
CONSTYPE INDUSTRIAL IND: N  
CONSTYPE OTHER DESCRIPTION: Community College  
CONSTYPE OTHER IND: Y  
CONSTYPE RECONS IND: N  
CONSTYPE RESIDENTIAL IND: N  
CONSTYPE TRANSPORT IND: N  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: N  
CONSTYPE WATER SEWER IND: N  
DIR DISCHARGE USWATER IND: N  
RECEIVING WATER NAME: San Jose Creek Reach 2  
CERTIFIER NAME: Rebecca Mitchell  
CERTIFIER TITLE: Manager, Facilities Support Services  
CERTIFICATION DATE: 21-OCT-16  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

**A14  
Target  
Property**

**MT. SAN ANTONIO COLLEGE  
1100 N GRAND AVENUE  
WALNUT, CA 91789**

**AST A100422560  
N/A**

**Site 14 of 20 in cluster A**

**Actual:  
737 ft.**

AST:  
Certified Unified Program Agencies: Not reported  
Owner: Mt. San Antonio College  
Total Gallons: Not reported  
CERSID: 10294564  
Facility ID: LACoFA0012888  
Business Name: Mt. San Antonio College  
Phone: (909) 594-5611  
Fax: Not reported  
Mailing Address: 1100 N. Grand Avenue  
Mailing Address City: Walnut  
Mailing Address State: CA  
Mailing Address Zip Code: 91789  
Operator Name: Mt. San Antonio College  
Operator Phone: (909) 594-5611  
Owner Phone: (909) 594-5611  
Owner Mail Address: 1100 N Grand Avenue  
Owner State: CA  
Owner Zip Code: 91789  
Owner Country: United States  
Property Owner Name: Mt. San Antonio College  
Property Owner Phone: (909) 594-5611  
Property Owner Mailing Address: 1100 N Grand Avenue  
Property Owner City: Walnut  
Property Owner Stat : CA  
Property Owner Zip Code: 91789  
Property Owner Country: United States  
EPAID: CAD102985108

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A15**      **MTSAC MAJOR GRADING TEMP PARKING**  
**Target**    **1100 N GRAND AVENUE**  
**Property**   **WALNUT, CA 91789**

**ECHO**    **1023696567**  
**N/A**

**Site 15 of 20 in cluster A**

**Actual:**      **ECHO:**  
**737 ft.**      Envid:                                      1023696567  
                 Registry ID:                                110070093643  
                 DFR URL:                                    <http://echo.epa.gov/detailed-facility-report?fid=110070093643>

**A16**      **M C P URETHANES DIV M C P INDUSTRIES INC**  
**Target**    **1100 N GRAND AVE TRACK STADIUM**  
**Property**   **WALNUT, CA 91789**

**HAZNET**   **S113170519**  
**N/A**

**Site 16 of 20 in cluster A**

**Actual:**      **HAZNET:**  
**737 ft.**      envid:                                      S113170519  
                 Year:                                         2000  
                 GEPAID:                                    CAP000056457  
                 Contact:                                    --  
                 Telephone:                                 --  
                 Mailing Name:                             Not reported  
                 Mailing Address:                         1100 N Grand Ave Track Stadium  
                 Mailing City,St,Zip:                    WALNUT, CA 917891399  
                 Gen County:                               Not reported  
                 TSD EPA ID:                              CAT000646117  
                 TSD County:                               Not reported  
                 Waste Category:                         Other organic solids  
                 Disposal Method:                        Disposal, Land Fill  
                 Tons:                                        136.53  
                 Cat Decode:                               Not reported  
                 Method Decode:                           Not reported  
                 Facility County:                           Los Angeles

envid:                                      S113170519  
Year:                                         1999  
GEPAID:                                    CAP000056457  
Contact:                                    M C P URETHANES DIV M C P INDU  
Telephone:                                 0000000000  
Mailing Name:                             Not reported  
Mailing Address:                         1100 N Grand Ave Track Stadium  
Mailing City,St,Zip:                    WALNUT, CA 917891399  
Gen County:                               Not reported  
TSD EPA ID:                              CAD008302903  
TSD County:                               Not reported  
Waste Category:                         Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method:                        Recycler  
Tons:                                        1.1467  
Cat Decode:                               Not reported  
Method Decode:                           Not reported  
Facility County:                           Los Angeles

envid:                                      S113170519  
Year:                                         1999  
GEPAID:                                    CAP000056457  
Contact:                                    M C P URETHANES DIV M C P INDU  
Telephone:                                 0000000000  
Mailing Name:                             Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M C P URETHANES DIV M C P INDUSTRIES INC (Continued)**

**S113170519**

Mailing Address: 1100 N Grand Ave Track Stadium  
Mailing City,St,Zip: WALNUT, CA 917891399  
Gen County: Not reported  
TSD EPA ID: CAD097030993  
TSD County: Not reported  
Waste Category: Other inorganic solid waste  
Disposal Method: Disposal, Other  
Tons: .6880  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113170519  
Year: 1999  
GEPaid: CAP000056457  
Contact: M C P URETHANES DIV M C P INDU  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1100 N Grand Ave Track Stadium  
Mailing City,St,Zip: WALNUT, CA 917891399  
Gen County: Not reported  
TSD EPA ID: CAD008302903  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues 10 percent or more  
Disposal Method: Recycler  
Tons: 2.0000  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

**A17  
Target  
Property**

**MT. SAN ANTONIO COMMUNITY COLL  
1100 N GRAND AVE  
WALNUT, CA 91789**

**Site 17 of 20 in cluster A**

**Actual:  
737 ft.**

**RCRA-LQG 1000376753  
UST CAD102985108  
SWEEPS UST  
HIST UST  
CA FID UST  
FINDS  
ECHO  
EMI  
LOS ANGELES CO. HMS  
NPDES**

RCRA-LQG:  
Date form received by agency: 06/01/2016  
Facility name: MT SAN ANTONIO COLLEGE  
Facility address: 1100 N GRAND AVE  
WALNUT, CA 91789  
EPA ID: CAD102985108  
Mailing address: N GRAND AVE  
WALNUT, CA 91789  
Contact: KAREN SALDANA  
Contact address: N GRAND AVE  
WALNUT, CA 91789  
Contact country: US  
Contact telephone: 909-594-5611  
Telephone ext.: 5501  
Contact email: KSALDANA@MTSAC.EDU  
EPA Region: 09  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: MT. SAN ANTONIO COLLEGE  
Owner/operator address: N GRAND AVE  
WALNUT, CA 91789  
Owner/operator country: US  
Owner/operator telephone: 909-274-7500  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: District  
Owner/Operator Type: Owner  
Owner/Op start date: 06/30/1946  
Owner/Op end date: Not reported

Owner/operator name: MT. SAN ANTONIO COMMUNITY COLLEGE  
Owner/operator address: 1100 N. GRAND AVENUE  
WALNUT, CA 91789  
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: District  
Owner/Operator Type: Owner  
Owner/Op start date: 06/30/1946  
Owner/Op end date: Not reported

Owner/operator name: MT. SAN ANTONIO COMMUNITY COLLEGE  
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: District  
Owner/Operator Type: Operator  
Owner/Op start date: 06/30/1946  
Owner/Op end date: Not reported

Owner/operator name: MT. SAN ANTONIO COLLEGE  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: District  
Owner/Operator Type: Operator  
Owner/Op start date: 06/30/1946  
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: Yes  
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: 121  
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122  
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 141  
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151  
. Waste name: Asbestos-containing waste

. Waste code: 172  
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181  
. Waste name: Other inorganic solid waste

. Waste code: 214  
. Waste name: Unspecified solvent mixture

. Waste code: 331  
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343  
. Waste name: Unspecified organic liquid mixture

. Waste code: 352  
. Waste name: Other organic solids

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

- . Waste code: 541
- . Waste name: Photochemicals / photo processing waste
  
- . Waste code: 551
- . Waste name: Laboratory waste chemicals
  
- . Waste code: 725
- . Waste name: Liquids with mercury > 20 mg/l
  
- . Waste code: 791
- . Waste name: Liquids with pH < 2
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D013
- . Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
  
- . Waste code: D015
- . Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005  
. Waste 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: 03/01/2014  
Site name: MT SAN ANTONIO COLLEGE  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D011  
. Waste name: SILVER

. Waste code: D035  
. Waste name: METHYL ETHYL KETONE

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

MT. SAN ANTONIO COMMUNITY COLL (Continued)

1000376753

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005  
. 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.

. Waste code: P048  
. Waste name: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

Date form received by agency: 07/18/2008

Site name: MT. SAN ANTONIO COMMUNITY COLLEGE

Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D004  
. Waste name: ARSENIC

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D011  
. Waste name: SILVER

. Waste code: D022  
. Waste name: CHLOROFORM

. Waste code: D038

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

- . Waste name: PYRIDINE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . 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.
- . Waste code: P108

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

- . Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U006
- . Waste name: ACETYL CHLORIDE (C,R,T)
- . Waste code: U011
- . Waste name: 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE
- . Waste code: U019
- . Waste name: BENZENE (I,T)
- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-
- . Waste code: U056
- . Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
- . Waste code: U075
- . Waste name: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)
- . Waste code: U165
- . Waste name: NAPHTHALENE
- . Waste code: U404
- . Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Date form received by agency: 05/03/1990  
Site name: MT SAN ANTONIO COMM COLLEGE DIST  
Classification: Large Quantity Generator

Date form received by agency: 12/06/1985  
Site name: MT SAN ANTONIO COMMUNITY COLLEGE DIST  
Classification: Not a generator, verified

Biennial Reports:

Last Biennial Reporting Year: 2017



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

MT. SAN ANTONIO COMMUNITY COLL (Continued)

1000376753

Annual Waste Handled:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 3100

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 4534

Waste code: D003  
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 67

Waste code: D004  
Waste name: ARSENIC  
Amount (Lbs): 2336

Waste code: D005  
Waste name: BARIUM  
Amount (Lbs): 2336

Waste code: D006  
Waste name: CADMIUM  
Amount (Lbs): 2336

Waste code: D008  
Waste name: LEAD  
Amount (Lbs): 253

Waste code: D009  
Waste name: MERCURY  
Amount (Lbs): 67

Waste code: D010  
Waste name: SELENIUM  
Amount (Lbs): 2336

Waste code: D011  
Waste name: SILVER  
Amount (Lbs): 253

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Waste code: D013  
Waste name: LINDANE  
Amount (Lbs): 2113

Waste code: D015  
Waste name: TOXAPHENE  
Amount (Lbs): 67

Waste code: D018  
Waste name: BENZENE  
Amount (Lbs): 2336

Waste code: D035  
Waste name: METHYL ETHYL KETONE  
Amount (Lbs): 583

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.  
Amount (Lbs): 2336

Waste code: F003  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.  
Amount (Lbs): 583

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.  
Amount (Lbs): 583

Violation Status: No violations found

UST:

Facility ID: LACoFA0012888  
Permitting Agency: Los Angeles County Fire Department  
Latitude: 34.04317

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Longitude: -117.84769  
  
Facility ID: 13394  
Permitting Agency: LOS ANGELES COUNTY  
Latitude: 34.046319  
Longitude: -117.8471045

**SWEEPS UST:**

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000001  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: 11

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000002  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000003  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Number Of Tanks: Not reported  
  
Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000004  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000005  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000006  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000007  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000008  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000009  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000010  
Tank Status: A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13394  
Number: 9  
Board Of Equalization: 44-010155  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013394-000011  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 0002810C  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002810C.pdf>  
Region: STATE  
Facility ID: 00000029605  
Facility Type: Other  
Other Type: COMMUNITY COLLEGE  
Contact Name: MR. LARRY STOUT  
Telephone: 7145945611  
Owner Name: MT. SAN ANTONIO COMMUNITY COLL  
Owner Address: 1100 NOTH GRAND AVENUE  
Owner City,St,Zip: WALNUT, CA 91789  
Total Tanks: 0013

Tank Num: 001  
Container Num: 5E  
Year Installed: 1968  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: 3/16"  
Leak Detection: Pressure Test

Tank Num: 002  
Container Num: 3B  
Year Installed: 1968  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: 06  
Container Construction Thickness: 1/4"  
Leak Detection: Pressure Test

Tank Num: 003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Container Num: 3A  
Year Installed: 1968  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: 1/4"  
Leak Detection: Pressure Test

Tank Num: 004  
Container Num: 5A  
Year Installed: 1968  
Tank Capacity: 00010310  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: 1/4"  
Leak Detection: Pressure Test

Tank Num: 005  
Container Num: 5C  
Year Installed: Not reported  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 006  
Container Num: 5D  
Year Installed: Not reported  
Tank Capacity: 00005000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Pressure Test

Tank Num: 007  
Container Num: 4A  
Year Installed: Not reported  
Tank Capacity: 00000560  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 008  
Container Num: 5B  
Year Installed: 1968  
Tank Capacity: 00002015  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: 3/16"  
Leak Detection: Pressure Test

Tank Num: 009  
Container Num: 4B  
Year Installed: Not reported  
Tank Capacity: 00001000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	010
Container Num:	1B
Year Installed:	1985
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Sensor Instrument
Tank Num:	011
Container Num:	1A
Year Installed:	1985
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Sensor Instrument

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19002882
Regulated By:	UTNKA
Regulated ID:	00029605
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	1100 N GRAND AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	WALNUT
Contact:	Not reported
Contact Phone:	Not reported
DUNS Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

FINDS:

Registry ID: 110002421825

Environmental Interest/Information System

AIR EMISSIONS CLASSIFICATION UNKNOWN

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.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000376753  
Registry ID: 110002421825  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002421825>

**EMI:**

Year: 1995  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 3  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3  
Reactive Organic Gases Tons/Yr: 2  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3  
Reactive Organic Gases Tons/Yr: 2  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3  
Reactive Organic Gases Tons/Yr: 2  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3  
Reactive Organic Gases Tons/Yr: 2  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3  
Reactive Organic Gases Tons/Yr: 2  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3  
Reactive Organic Gases Tons/Yr: 2  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
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: 5  
Reactive Organic Gases Tons/Yr: 4  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 5  
SOX - Oxides of Sulphur Tons/Yr: 12  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
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: 5  
Reactive Organic Gases Tons/Yr: 4  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 5

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

SOX - Oxides of Sulphur Tons/Yr: 12  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
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: 5.353427  
Reactive Organic Gases Tons/Yr: 4.2  
Carbon Monoxide Emissions Tons/Yr: 1.167  
NOX - Oxides of Nitrogen Tons/Yr: 4.959  
SOX - Oxides of Sulphur Tons/Yr: 11.6221  
Particulate Matter Tons/Yr: 0.25  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.25

Year: 2006  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 4.032171999560406870  
Reactive Organic Gases Tons/Yr: .889  
Carbon Monoxide Emissions Tons/Yr: 9.935  
NOX - Oxides of Nitrogen Tons/Yr: 2.3  
SOX - Oxides of Sulphur Tons/Yr: .054  
Particulate Matter Tons/Yr: .655  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.648184

Year: 2007  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3.883104256054055294  
Reactive Organic Gases Tons/Yr: .889  
Carbon Monoxide Emissions Tons/Yr: 9.935  
NOX - Oxides of Nitrogen Tons/Yr: 2.3  
SOX - Oxides of Sulphur Tons/Yr: .054  
Particulate Matter Tons/Yr: .655  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.652006

Year: 2008  
County Code: 19

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
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: 5.116786627700767845  
Reactive Organic Gases Tons/Yr: 1.22388555  
Carbon Monoxide Emissions Tons/Yr: 10.11051  
NOX - Oxides of Nitrogen Tons/Yr: 2.332345  
SOX - Oxides of Sulphur Tons/Yr: .04189435  
Particulate Matter Tons/Yr: .69004175  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 6837857195

Year: 2009  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 4.4127814755959101  
Reactive Organic Gases Tons/Yr: 0.5100000000000001  
Carbon Monoxide Emissions Tons/Yr: 2.3199999999999998  
NOX - Oxides of Nitrogen Tons/Yr: 2.04  
SOX - Oxides of Sulphur Tons/Yr: 3.3340000000000002E-2  
Particulate Matter Tons/Yr: 0.5999999999999998  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.5969999999999998

Year: 2010  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 4.2732576299256699  
Reactive Organic Gases Tons/Yr: 0.5032100000000005  
Carbon Monoxide Emissions Tons/Yr: 2.2438199999999999  
NOX - Oxides of Nitrogen Tons/Yr: 1.96882  
SOX - Oxides of Sulphur Tons/Yr: 4.0000000000000001E-2  
Particulate Matter Tons/Yr: 0.5847999999999999  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.5817673599999996

Year: 2012  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.74446120434  
Reactive Organic Gases Tons/Yr: 0.32972  
Carbon Monoxide Emissions Tons/Yr: 4.5924  
NOX - Oxides of Nitrogen Tons/Yr: 5.49815  
SOX - Oxides of Sulphur Tons/Yr: 0.042700399  
Particulate Matter Tons/Yr: 0.58365  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.58258032

Year: 2013  
County Code: 19  
Air Basin: SC  
Facility ID: 4347  
Air District Name: SC  
SIC Code: 8222  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3.2403640786  
Reactive Organic Gases Tons/Yr: 0.39458  
Carbon Monoxide Emissions Tons/Yr: 2.08307  
NOX - Oxides of Nitrogen Tons/Yr: 1.77614  
SOX - Oxides of Sulphur Tons/Yr: 0.03842111  
Particulate Matter Tons/Yr: 0.60536  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.60239192

**LOS ANGELES CO. HMS:**

Region: LA  
Permit Category: T  
Facility Id: 013117-013394  
Facility Type: 0  
Facility Status: Permit  
Area: 6L  
Permit Number: 00005449T  
Permit Status: Permit

**NPDES:**

Npdes Number: CAS000002  
Facility Status: Active  
Agency Id: 0  
Region: 4  
Regulatory Measure Id: 446446  
Order No: 2009-0009-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 4 19C370142  
Program Type: Construction  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 07/01/2014  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Mt San Antonio College  
Discharge Address: 1100 N Grand Ave  
Discharge City: Walnut  
Discharge State: California  
Discharge Zip: 91789

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

MT. SAN ANTONIO COMMUNITY COLL (Continued)

1000376753

RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	447062
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C370254
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/14/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/09/2017
Discharge Name:	Mt San Antonio College
Discharge Address:	1100 N Grand Ave
Discharge City:	Walnut
Discharge State:	California
Discharge Zip:	91789
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported



Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	468397
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C375127
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mt San Antonio College
Discharge Address:	1100 N Grand Ave
Discharge City:	Walnut
Discharge State:	California
Discharge Zip:	91789
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	468397
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C375127
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

RECEIVED DATE: 01/07/2016  
PROCESSED DATE: 01/21/2016  
STATUS CODE NAME: Active  
STATUS DATE: 01/21/2016  
PLACE SIZE: 5.76  
PLACE SIZE UNIT: Acres  
FACILITY CONTACT NAME: Rebecca Mitchell  
FACILITY CONTACT TITLE: Not reported  
FACILITY CONTACT PHONE: 909-274-5175  
FACILITY CONTACT PHONE EXT: Not reported  
FACILITY CONTACT EMAIL: bmitchell@mtsac.edu  
OPERATOR NAME: Mt San Antonio College  
OPERATOR ADDRESS: 1100 N Grand Ave  
OPERATOR CITY: Walnut  
OPERATOR STATE: California  
OPERATOR ZIP: 91789  
OPERATOR CONTACT NAME: Rebecca Mitchell  
OPERATOR CONTACT TITLE: Not reported  
OPERATOR CONTACT PHONE: 909-274-5175  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: bmitchell@mtsac.edu  
OPERATOR TYPE: Special District  
DEVELOPER NAME: Mt San Antonio College  
DEVELOPER ADDRESS: 1100 N Grand Ave  
DEVELOPER CITY: Walnut  
DEVELOPER STATE: California  
DEVELOPER ZIP: 91789  
DEVELOPER CONTACT NAME: Rebecca Mitchell  
DEVELOPER CONTACT TITLE: Not reported  
CONSTYPE LINEAR UTILITY IND: N  
EMERGENCY PHONE NO: Not reported  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: N  
CONSTYPE BELOW GROUND IND: N  
CONSTYPE CABLE LINE IND: N  
CONSTYPE COMM LINE IND: N  
CONSTYPE COMMERTIAL IND: N  
CONSTYPE ELECTRICAL LINE IND: N  
CONSTYPE GAS LINE IND: N  
CONSTYPE INDUSTRIAL IND: N  
CONSTYPE OTHER DESRIPTION: Educational  
CONSTYPE OTHER IND: Y  
CONSTYPE RECONS IND: N  
CONSTYPE RESIDENTIAL IND: N  
CONSTYPE TRANSPORT IND: N  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: N  
CONSTYPE WATER SEWER IND: N  
DIR DISCHARGE USWATER IND: N  
RECEIVING WATER NAME: San Jose Creek Reach 2  
CERTIFIER NAME: Rebecca Mitchell  
CERTIFIER TITLE: Manager, Facilities Support Services  
CERTIFICATION DATE: 07-JAN-16  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	344100
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C351619
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/11/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	04/22/2008
STATUS CODE NAME:	Terminated
STATUS DATE:	10/21/2014
PLACE SIZE:	3
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Remo Colindres
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	909-468-4443
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Mt San Antonio College
OPERATOR ADDRESS:	1100 N Grand Ave
OPERATOR CITY:	Walnut
OPERATOR STATE:	California
OPERATOR ZIP:	91789
OPERATOR CONTACT NAME:	Gary Nellesen
OPERATOR CONTACT TITLE:	Director Of Facilitites
OPERATOR CONTACT PHONE:	909-594-5611
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Howard
DEVELOPER ADDRESS:	1100 N Grand Ave BLDG 23
DEVELOPER CITY:	Walnut
DEVELOPER STATE:	California
DEVELOPER ZIP:	91789
DEVELOPER CONTACT NAME:	Howard Holman
DEVELOPER CONTACT TITLE:	Facilities Project Manager
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Educational
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Gary Nellesen
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	30-JUN-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	446446
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C370142
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	06/30/2014
PROCESSED DATE:	07/01/2014
STATUS CODE NAME:	Active
STATUS DATE:	07/01/2014
PLACE SIZE:	24
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Rebecca Mitchell
FACILITY CONTACT TITLE:	Manager, Facilities Support Services
FACILITY CONTACT PHONE:	909-274-5175
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	bmitchell@mtsac.edu
OPERATOR NAME:	Mt San Antonio College
OPERATOR ADDRESS:	1100 N Grand Ave
OPERATOR CITY:	Walnut
OPERATOR STATE:	California
OPERATOR ZIP:	91789
OPERATOR CONTACT NAME:	Rebecca Mitchell
OPERATOR CONTACT TITLE:	Manager, Facilities Support Services
OPERATOR CONTACT PHONE:	909-274-5175

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	bmitchell@mtsac.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Mt San Antonio College
DEVELOPER ADDRESS:	1100 N Grand Ave
DEVELOPER CITY:	Walnut
DEVELOPER STATE:	California
DEVELOPER ZIP:	91789
DEVELOPER CONTACT NAME:	Rebecca Mitchell
DEVELOPER CONTACT TITLE:	Manager, Facilities Support Services
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	educational institution
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Rebecca Mitchell
CERTIFIER TITLE:	Manager, Facilities Support Services
CERTIFICATION DATE:	30-JUN-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	447062
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C370254
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/09/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

RECEIVED DATE: 06/24/2014  
PROCESSED DATE: 07/14/2014  
STATUS CODE NAME: Terminated  
STATUS DATE: 03/29/2017  
PLACE SIZE: 1.5  
PLACE SIZE UNIT: Acres  
FACILITY CONTACT NAME: Rebecca Mitchell  
FACILITY CONTACT TITLE: Manager, Facilities Support Services  
FACILITY CONTACT PHONE: 909-274-5175  
FACILITY CONTACT PHONE EXT: Not reported  
FACILITY CONTACT EMAIL: bmittchell@mtsac.edu  
OPERATOR NAME: Mt San Antonio College  
OPERATOR ADDRESS: 1100 N Grand Ave  
OPERATOR CITY: Walnut  
OPERATOR STATE: California  
OPERATOR ZIP: 91789  
OPERATOR CONTACT NAME: Rebecca Mitchell  
OPERATOR CONTACT TITLE: Manager, Facilities Support Services  
OPERATOR CONTACT PHONE: 909-274-5175  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: bmittchell@mtsac.edu  
OPERATOR TYPE: Special District  
DEVELOPER NAME: Mt San Antonio College  
DEVELOPER ADDRESS: 1100 N Grand Ave  
DEVELOPER CITY: Walnut  
DEVELOPER STATE: California  
DEVELOPER ZIP: 91789  
DEVELOPER CONTACT NAME: Rebecca Mitchell  
DEVELOPER CONTACT TITLE: Manager, Facilities Support Services  
CONSTYPE LINEAR UTILITY IND: N  
EMERGENCY PHONE NO: Not reported  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: N  
CONSTYPE BELOW GROUND IND: N  
CONSTYPE CABLE LINE IND: N  
CONSTYPE COMM LINE IND: N  
CONSTYPE COMMERTIAL IND: N  
CONSTYPE ELECTRICAL LINE IND: N  
CONSTYPE GAS LINE IND: N  
CONSTYPE INDUSTRIAL IND: N  
CONSTYPE OTHER DESRIPTION: College  
CONSTYPE OTHER IND: Y  
CONSTYPE RECONS IND: N  
CONSTYPE RESIDENTIAL IND: N  
CONSTYPE TRANSPORT IND: N  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: N  
CONSTYPE WATER SEWER IND: N  
DIR DISCHARGE USWATER IND: N  
RECEIVING WATER NAME: San Jose Creek Reach 2  
CERTIFIER NAME: Rebecca Mitchell  
CERTIFIER TITLE: Manager, Facilities Support Services  
CERTIFICATION DATE: 24-JUN-14  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	437893
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C367179
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/08/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	07/11/2013
PROCESSED DATE:	07/22/2013
STATUS CODE NAME:	Terminated
STATUS DATE:	12/04/2014
PLACE SIZE:	2.34
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Gary Nellesen
FACILITY CONTACT TITLE:	Director of Facilities
FACILITY CONTACT PHONE:	909-274-5176
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	gnellesen@mtsac.edu
OPERATOR NAME:	Mt San Antonio Collge
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Individual
DEVELOPER NAME:	Mt San Antonio College
DEVELOPER ADDRESS:	1100 N Grand Avenue
DEVELOPER CITY:	Walnut
DEVELOPER STATE:	California
DEVELOPER ZIP:	91789
DEVELOPER CONTACT NAME:	Gary Nellesen
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESCRIPTION:	School
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Jose Creek
CERTIFIER NAME:	Rebecca Mitchell
CERTIFIER TITLE:	Manager, Facilities Support Services
CERTIFICATION DATE:	11-JUL-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	484772
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C379762
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/09/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mt San Antonio College
Discharge Address:	1100 N Grand Ave
Discharge City:	Walnut
Discharge State:	California
Discharge Zip:	91789
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: Not reported  
OPERATOR TYPE: Not reported  
DEVELOPER NAME: Not reported  
DEVELOPER ADDRESS: Not reported  
DEVELOPER CITY: Not reported  
DEVELOPER STATE: Not reported  
DEVELOPER ZIP: Not reported  
DEVELOPER CONTACT NAME: Not reported  
DEVELOPER CONTACT TITLE: Not reported  
CONSTYPE LINEAR UTILITY IND: Not reported  
EMERGENCY PHONE NO: Not reported  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: Not reported  
CONSTYPE BELOW GROUND IND: Not reported  
CONSTYPE CABLE LINE IND: Not reported  
CONSTYPE COMM LINE IND: Not reported  
CONSTYPE COMMERTIAL IND: Not reported  
CONSTYPE ELECTRICAL LINE IND: Not reported  
CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESRIPTION: Not reported  
CONSTYPE OTHER IND: Not reported  
CONSTYPE RECONS IND: Not reported  
CONSTYPE RESIDENTIAL IND: Not reported  
CONSTYPE TRANSPORT IND: Not reported  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: Not reported  
CONSTYPE WATER SEWER IND: Not reported  
DIR DISCHARGE USWATER IND: Not reported  
RECEIVING WATER NAME: Not reported  
CERTIFIER NAME: Not reported  
CERTIFIER TITLE: Not reported  
CERTIFICATION DATE: Not reported  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

Npdes Number: CAS000002  
Facility Status: Terminated  
Agency Id: 0  
Region: 4  
Regulatory Measure Id: 437893  
Order No: 2009-0009-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 4 19C367179  
Program Type: Construction  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 07/22/2013  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: 10/08/2014  
Discharge Name: Mt San Antonio Collge  
Discharge Address: 1100 N Grand Avenue  
Discharge City: Walnut  
Discharge State: California  
Discharge Zip: 91789

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	484772
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C379762
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	04/06/2017
PROCESSED DATE:	05/09/2017
STATUS CODE NAME:	Active
STATUS DATE:	05/09/2017
PLACE SIZE:	32.6
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Rebecca Mitchell
FACILITY CONTACT TITLE:	Manager, Facilities Support Services
FACILITY CONTACT PHONE:	909-274-5175
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	bmitchell@mtsac.edu
OPERATOR NAME:	Mt San Antonio College
OPERATOR ADDRESS:	1100 N Grand Ave
OPERATOR CITY:	Walnut
OPERATOR STATE:	California
OPERATOR ZIP:	91789
OPERATOR CONTACT NAME:	Rebecca Mitchell
OPERATOR CONTACT TITLE:	Manager, Facilities Support Services
OPERATOR CONTACT PHONE:	909-274-5175
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	bmitchell@mtsac.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Mt San Antonio College
DEVELOPER ADDRESS:	1100 N Grand Ave
DEVELOPER CITY:	Walnut
DEVELOPER STATE:	California
DEVELOPER ZIP:	91789
DEVELOPER CONTACT NAME:	Rebecca Mitchell
DEVELOPER CONTACT TITLE:	Manager, Facilities Support Services
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	909-274-4555
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT. SAN ANTONIO COMMUNITY COLL (Continued)**

**1000376753**

CONSTYPE GAS LINE IND: N  
CONSTYPE INDUSTRIAL IND: N  
CONSTYPE OTHER DESCRIPTION: community college  
CONSTYPE OTHER IND: Y  
CONSTYPE RECONS IND: N  
CONSTYPE RESIDENTIAL IND: N  
CONSTYPE TRANSPORT IND: N  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: N  
CONSTYPE WATER SEWER IND: N  
DIR DISCHARGE USWATER IND: N  
RECEIVING WATER NAME: San Jose Creek Reach 2  
CERTIFIER NAME: Rebecca Mitchell  
CERTIFIER TITLE: Manager, Facilities Support Services  
CERTIFICATION DATE: 06-APR-17  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

**A18 Target Property**  
**MT SAN ANTONIO COMM COLLEGE DIST**  
**1100 N GRAND AVE**  
**WALNUT, CA 91789**

**HAZNET S113002374**  
**N/A**

**Site 18 of 20 in cluster A**

**Actual:**  
**737 ft.**

HAZNET:  
envid: S113002374  
Year: 2016  
GEPaid: CAD102985108  
Contact: MELONE CRUSE  
Telephone: 9092745567  
Mailing Name: Not reported  
Mailing Address: 1100 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917890000  
Gen County: Los Angeles  
TSD EPA ID: NVT330010000  
TSD County: 99  
Waste Category: Other organic solids  
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)  
Tons: 0.861  
Cat Decode: Other organic solids  
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)  
Facility County: Los Angeles  
  
envid: S113002374  
Year: 2016  
GEPaid: CAD102985108  
Contact: MELONE CRUSE  
Telephone: 9092745567  
Mailing Name: Not reported  
Mailing Address: 1100 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917890000  
Gen County: Los Angeles  
TSD EPA ID: CAD028409019  
TSD County: Los Angeles  
Waste Category: Other inorganic solid waste

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT SAN ANTONIO COMM COLLEGE DIST (Continued)**

**S113002374**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 1.6856  
Cat Decode: Other inorganic solid waste  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Facility County: Los Angeles

envid: S113002374  
Year: 2016  
GEPaid: CAD102985108  
Contact: MELONE CRUSE  
Telephone: 9092745567  
Mailing Name: Not reported  
Mailing Address: 1100 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917890000  
Gen County: Los Angeles  
TSD EPA ID: TXD982560294  
TSD County: 99  
Waste Category: Liquids with pH <= 2  
Disposal Method: Not reported  
Tons: 0.2502  
Cat Decode: Liquids with pH <= 2  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113002374  
Year: 2016  
GEPaid: CAD102985108  
Contact: MELONE CRUSE  
Telephone: 9092745567  
Mailing Name: Not reported  
Mailing Address: 1100 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917890000  
Gen County: Los Angeles  
TSD EPA ID: MOD981123391  
TSD County: 99  
Waste Category: Unspecified solvent mixture  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.348  
Cat Decode: Unspecified solvent mixture  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Facility County: Los Angeles

envid: S113002374  
Year: 2016  
GEPaid: CAD102985108  
Contact: MELONE CRUSE  
Telephone: 9092745567  
Mailing Name: Not reported  
Mailing Address: 1100 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917890000  
Gen County: Los Angeles  
TSD EPA ID: MOD981123391  
TSD County: 99

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT SAN ANTONIO COMM COLLEGE DIST (Continued)**

**S113002374**

Waste Category: Alkaline solution without metals pH >= 12.5  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.17085  
Cat Decode: Alkaline solution without metals pH >= 12.5  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 723 additional CA\_HAZNET: record(s) in the EDR Site Report.

**A19  
Target  
Property**

**LA COUNTY SANITATION DISTRICT  
1100 N GRAND AVE  
WALNUT, CA 91789**

**HAZNET S113020327  
NPDES N/A**

**Site 19 of 20 in cluster A**

**Actual:  
737 ft.**

HAZNET:  
envid: S113020327  
Year: 2002  
GEPAID: CAH111000883  
Contact: JOE REILLY  
Telephone: 5626997411  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAD008302903  
TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: 6.12  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113020327  
Year: 2002  
GEPAID: CAH111000883  
Contact: JOE REILLY  
Telephone: 5626997411  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAT080014079  
TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: 0.25  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113020327  
Year: 2002  
GEPAID: CAH111000883

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LA COUNTY SANITATION DISTRICT (Continued)

S113020327

Contact: JOE REILLY  
Telephone: 5626997411  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAT080014079  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Transfer Station  
Tons: Not reported  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113020327  
Year: 2002  
GEPaid: CAH111000883  
Contact: JOE REILLY  
Telephone: 5626997411  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAD008302903  
TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Recycler  
Tons: 57.28  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: S113020327  
Year: 2002  
GEPaid: CAH111000883  
Contact: JOE REILLY  
Telephone: 5626997411  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Disposal, Land Fill  
Tons: 0.4  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 3 additional CA\_HAZNET: record(s) in the EDR Site Report.

NPDES:

Npdes Number: Not reported  
Facility Status: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LA COUNTY SANITATION DISTRICT (Continued)

S113020327

Agency Id: Not reported  
Region: 4  
Regulatory Measure Id: 449744  
Order No: Not reported  
Regulatory Measure Type: Construction  
Place Id: Not reported  
WDID: 4 19C371170  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
RECEIVED DATE: 10/01/2014  
PROCESSED DATE: 10/15/2014  
STATUS CODE NAME: Active  
STATUS DATE: 10/15/2014  
PLACE SIZE: 1.2  
PLACE SIZE UNIT: Acres  
FACILITY CONTACT NAME: Rebecca Mitchell  
FACILITY CONTACT TITLE: Not reported  
FACILITY CONTACT PHONE: 909-274-5175  
FACILITY CONTACT PHONE EXT: Not reported  
FACILITY CONTACT EMAIL: bmitchell@mtsac.edu  
OPERATOR NAME: Mt San Antonio College  
OPERATOR ADDRESS: 1100 N Grand Ave  
OPERATOR CITY: Walnut  
OPERATOR STATE: California  
OPERATOR ZIP: 91789  
OPERATOR CONTACT NAME: Rebecca Mitchell  
OPERATOR CONTACT TITLE: Not reported  
OPERATOR CONTACT PHONE: 909-274-5175  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: bmitchell@mtsac.edu  
OPERATOR TYPE: Special District  
DEVELOPER NAME: Mt San Antonio College  
DEVELOPER ADDRESS: 1100 N Grand Ave  
DEVELOPER CITY: Walnut  
DEVELOPER STATE: Alabama  
DEVELOPER ZIP: 91789  
DEVELOPER CONTACT NAME: Rebecca Mitchell  
DEVELOPER CONTACT TITLE: Not reported  
CONSTYPE LINEAR UTILITY IND: N  
EMERGENCY PHONE NO: 9092745175  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: N  
CONSTYPE BELOW GROUND IND: N  
CONSTYPE CABLE LINE IND: N  
CONSTYPE COMM LINE IND: N  
CONSTYPE COMMERTIAL IND: N  
CONSTYPE ELECTRICAL LINE IND: N  
CONSTYPE GAS LINE IND: N  
CONSTYPE INDUSTRIAL IND: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LA COUNTY SANITATION DISTRICT (Continued)

S113020327

CONSTYPE OTHER DESCRIPTION: Community College  
CONSTYPE OTHER IND: Y  
CONSTYPE RECONS IND: N  
CONSTYPE RESIDENTIAL IND: N  
CONSTYPE TRANSPORT IND: N  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: N  
CONSTYPE WATER SEWER IND: N  
DIR DISCHARGE USWATER IND: N  
RECEIVING WATER NAME: Not reported  
CERTIFIER NAME: Rebecca Mitchell  
CERTIFIER TITLE: Manager, Facilities Support Services  
CERTIFICATION DATE: 01-OCT-14  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

Npdes Number: CAS000002  
Facility Status: Active  
Agency Id: 0  
Region: 4  
Regulatory Measure Id: 449744  
Order No: 2009-0009-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 4 19C371170  
Program Type: Construction  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 10/15/2014  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Mt San Antonio College  
Discharge Address: 1100 N Grand Ave  
Discharge City: Walnut  
Discharge State: California  
Discharge Zip: 91789  
RECEIVED DATE: Not reported  
PROCESSED DATE: Not reported  
STATUS CODE NAME: Not reported  
STATUS DATE: Not reported  
PLACE SIZE: Not reported  
PLACE SIZE UNIT: Not reported  
FACILITY CONTACT NAME: Not reported  
FACILITY CONTACT TITLE: Not reported  
FACILITY CONTACT PHONE: Not reported  
FACILITY CONTACT PHONE EXT: Not reported  
FACILITY CONTACT EMAIL: Not reported  
OPERATOR NAME: Not reported  
OPERATOR ADDRESS: Not reported  
OPERATOR CITY: Not reported  
OPERATOR STATE: Not reported  
OPERATOR ZIP: Not reported  
OPERATOR CONTACT NAME: Not reported  
OPERATOR CONTACT TITLE: Not reported  
OPERATOR CONTACT PHONE: Not reported  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LA COUNTY SANITATION DISTRICT (Continued)**

**S113020327**

OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

**A20  
 Target  
 Property**

**MSAC PARKING STRUCTURE  
 1100 NORTH GRAND AVENUE  
 WALNUT, CA 91789**

**NPDES S117705749  
 N/A**

**Site 20 of 20 in cluster A**

**Actual:  
 737 ft.**

<b>NPDES:</b>	
Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	453657
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C372703
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/17/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/21/2016
Discharge Name:	Mt San Antonio College

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MSAC PARKING STRUCTURE (Continued)**

**S117705749**

Discharge Address:	1100 N Grand Ave
Discharge City:	Walnut
Discharge State:	California
Discharge Zip:	91789
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MSAC PARKING STRUCTURE (Continued)**

**S117705749**

PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	453657
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C372703
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/21/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	04/01/2015
PROCESSED DATE:	04/17/2015
STATUS CODE NAME:	Terminated
STATUS DATE:	12/12/2016
PLACE SIZE:	16.78
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Rebecca Mitchell
FACILITY CONTACT TITLE:	Manager, Facilities Support Services
FACILITY CONTACT PHONE:	909-274-5175
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	bmitchell@mtsac.edu
OPERATOR NAME:	Mt San Antonio College
OPERATOR ADDRESS:	1100 N Grand Ave
OPERATOR CITY:	Walnut
OPERATOR STATE:	California
OPERATOR ZIP:	91789
OPERATOR CONTACT NAME:	Rebecca Mitchell
OPERATOR CONTACT TITLE:	Manager, Facilities Support Services
OPERATOR CONTACT PHONE:	909-274-5175
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	bmitchell@mtsac.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Mt San Antonio College
DEVELOPER ADDRESS:	1100 N Grand Ave
DEVELOPER CITY:	Walnut
DEVELOPER STATE:	California
DEVELOPER ZIP:	91789
DEVELOPER CONTACT NAME:	Rebecca Mitchell
DEVELOPER CONTACT TITLE:	Manager, Facilities Support Services
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MSAC PARKING STRUCTURE (Continued)**

**S117705749**

CONSTYPE CABLE LINE IND: N  
 CONSTYPE COMM LINE IND: N  
 CONSTYPE COMMERCIAL IND: N  
 CONSTYPE ELECTRICAL LINE IND: N  
 CONSTYPE GAS LINE IND: N  
 CONSTYPE INDUSTRIAL IND: N  
 CONSTYPE OTHER DESCRIPTION: community college  
 CONSTYPE OTHER IND: Y  
 CONSTYPE RECONS IND: N  
 CONSTYPE RESIDENTIAL IND: N  
 CONSTYPE TRANSPORT IND: N  
 CONSTYPE UTILITY DESCRIPTION: Not reported  
 CONSTYPE UTILITY IND: N  
 CONSTYPE WATER SEWER IND: N  
 DIR DISCHARGE USWATER IND: N  
 RECEIVING WATER NAME: San Jose Creek Reach 2  
 CERTIFIER NAME: Rebecca Mitchell  
 CERTIFIER TITLE: Manager, Facilities Support Services  
 CERTIFICATION DATE: 01-APR-15  
 PRIMARY SIC: Not reported  
 SECONDARY SIC: Not reported  
 TERTIARY SIC: Not reported

**Areas of  
 Concern  
 SE  
 1/2-1  
 3676 ft.**

**SAN GABRIEL VALLEY  
 LOS ANGELES (County), CA**

**AOCONCERN CCA0000001  
 N/A**

AOCONCERN:  
 area where VOC contamination is at or above the MCL as designated by region 9 EPA office

**B21**

**ARMY FIELD OP HOSPITAL**

**ENVIROSTOR S107735864  
 N/A**

**< 1/8  
 1 ft.**

**WALNUT, CA**

**Site 1 of 2 in cluster B**

**Relative:  
 Higher**

ENVIROSTOR:  
 Facility ID: 80000970  
 Status: Inactive - Needs Evaluation  
 Status Date: 07/01/2005  
 Site Code: Not reported  
 Site Type: Military Evaluation  
 Site Type Detailed: FUDS  
 Acres: Not reported  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Not reported  
 Supervisor: Douglas Bautista  
 Division Branch: Cleanup Cypress  
 Assembly: 55  
 Senate: 29

**Actual:  
 737 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARMY FIELD OP HOSPITAL (Continued)**

**S107735864**

Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: DERA  
Latitude: 34.04583  
Longitude: -117.8458  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CA99799FA35300  
Alias Type: Federal Facility ID  
Alias Name: J09CA7324  
Alias Type: INPR  
Alias Name: 80000970  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 07/09/1999  
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

22

**MY KIDS**  
**1902 E EDINGER AVE**  
**WALNUT, CA 91789**

< 1/8  
1 ft.

**FINDS 1016292853**  
**N/A**

FINDS:

**Relative:**  
**Higher**

Registry ID: 110011645363

**Actual:**  
**859 ft.**

Environmental Interest/Information System  
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**23** **POMONA BRICK COMPANY**  
**1000' N GRAND 1800' W WHITE AV**  
**POMONA, CA**

**WMUDS/SWAT** **S101613083**  
**N/A**

< 1/8  
 1 ft.

**Relative:**  
**Lower**

**Actual:**  
**698 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	POMONA BRICK COMPANY
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	POMONA BRICK COMPANY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190341NUR
Solid Waste Information ID:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B24 SPADRA GENERAL HOSP**

**ENVIROSTOR S107737395  
N/A**

**< 1/8  
1 ft. SPADRA, CA**

**Site 2 of 2 in cluster B**

**Relative:  
Higher**

ENVIROSTOR:

**Actual:  
737 ft.**

Facility ID: 80000481  
Status: Inactive - Needs Evaluation  
Status Date: 07/01/2005  
Site Code: Not reported  
Site Type: Military Evaluation  
Site Type Detailed: FUDS  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Not reported  
Supervisor: Douglas Bautista  
Division Branch: Cleanup Cypress  
Assembly: 55  
Senate: 29  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: DERA  
Latitude: 34.04583  
Longitude: -117.8458  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CA99799F563200  
Alias Type: Federal Facility ID  
Alias Name: J09CA0634  
Alias Type: INPR  
Alias Name: 80000481  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**C25**      **ROGERS KEN CHEVRON SERVICE**  
**WSW**      **1201 GRAND**  
**< 1/8**      **WALNUT, CA 91789**  
**0.009 mi.**  
**47 ft.**      **Site 1 of 8 in cluster C**

**EDR Hist Auto**      **1022177636**  
**N/A**

**Relative:**      EDR Hist Auto  
**Lower**

Actual: 721 ft.	Year:	Name:	Type:
	1974	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1975	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1976	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1977	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1978	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1979	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1980	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1982	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1983	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1985	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1986	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations
	1987	ROGERS KEN CHEVRON SERVICE	Gasoline Service Stations

**C26**      **EXXON #7-6245**  
**WSW**      **1203 GRAND**  
**< 1/8**      **WALNUT, CA 90789**  
**0.010 mi.**  
**52 ft.**      **Site 2 of 8 in cluster C**

**LUST**      **S102429469**  
**HIST CORTESE**      **N/A**

**Relative:**      LUST:  
**Lower**

**Actual:**      Region:      STATE  
**721 ft.**      Global Id:      T0603704064  
 Latitude:      34.043192  
 Longitude:      -117.848393  
 Case Type:      LUST Cleanup Site  
 Status:      Completed - Case Closed  
 Status Date:      07/19/1996  
 Lead Agency:      LOS ANGELES RWQCB (REGION 4)  
 Case Worker:      YR  
 Local Agency:      LOS ANGELES COUNTY  
 RB Case Number:      I-13371  
 LOC Case Number:      Not reported  
 File Location:      Not reported  
 Potential Media Affect:      Aquifer used for drinking water supply  
 Potential Contaminants of Concern:      Gasoline  
 Site History:      Not reported

Click here to access the California GeoTracker records for this facility:

**Contact:**

Global Id:      T0603704064  
 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:      T0603704064  
 Contact Type:      Regional Board Caseworker

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON #7-6245 (Continued)**

**S102429469**

Contact Name: YUE RONG  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: 320 W. 4TH ST., SUITE 200  
City: Los Angeles  
Email: yrong@waterboards.ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0603704064  
Status: Completed - Case Closed  
Status Date: 07/19/1996

Global Id: T0603704064  
Status: Open - Case Begin Date  
Status Date: 04/14/1992

Global Id: T0603704064  
Status: Open - Site Assessment  
Status Date: 04/14/1992

Regulatory Activities:

Global Id: T0603704064  
Action Type: Other  
Date: 06/29/1992  
Action: Leak Reported

Global Id: T0603704064  
Action Type: Other  
Date: 04/14/1992  
Action: Leak Discovery

LUST REG 4:

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: I-13371  
Status: Case Closed  
Substance: Gasoline  
Substance Quantity: Not reported  
Local Case No: Not reported  
Case Type: Groundwater  
Abatement Method Used at the Site: Not reported  
Global ID: T0603704064  
W Global ID: Not reported  
Staff: UNK  
Local Agency: 19000  
Cross Street: AMAR  
Enforcement Type: Not reported  
Date Leak Discovered: 4/14/1992  
Date Leak First Reported: 6/29/1992  
Date Leak Record Entered: 7/12/1992  
Date Confirmation Began: Not reported  
Date Leak Stopped: Not reported  
Date Case Last Changed on Database: 12/31/1996  
Date the Case was Closed: 7/19/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON #7-6245 (Continued)**

**S102429469**

How Leak Discovered: Subsurface Monitoring  
How Leak Stopped: Not reported  
Cause of Leak: UNK  
Leak Source: UNK  
Operator: AKA I-21182  
Water System: Not reported  
Well Name: Not reported  
Approx. Dist To Production Well (ft): 12118.748111014085266643235422  
Source of Cleanup Funding: UNK  
Preliminary Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: 4/14/1992  
Remediation Plan Submitted: Not reported  
Remedial Action Underway: Not reported  
Post Remedial Action Monitoring Began: Not reported  
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: EXXON COMPANY, U.S.A.  
RP Address: 23101 LAKE CENTER DR, SUITE 250, LAKE FOREST CA 92630  
Program: LUST  
Lat/Long: 34.0429439 / -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: SITE IS LISTED AS 1203 IN DPW'S MAGIC LIST, 1205 IN LOP LISTAKA  
I-21182 IN DPW, NO ENTRY IN LOP LIST 03/25/96 CASE  
ASSIGNED TO NA 10/28/96 WELL  
ABANDONMENT REPORT

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 19  
Reg By: LTNKA  
Reg Id: I-13371

C27  
WSW  
< 1/8  
0.023 mi.  
121 ft.

LEE DAVID  
1229 N GRAND AVE  
WALNUT, CA 91789  
  
Site 3 of 8 in cluster C

EDR Hist Cleaner 1018667340  
N/A

Relative:  
Lower

EDR Hist Cleaner

Actual:  
722 ft.

Year: Name:  
1987 ALARCO INC  
1988 ALARCO INC  
1989 ALARCO INC

Type:  
Drycleaning Plants, Except Rugs  
Drycleaning Plants, Except Rugs  
Drycleaning Plants, Except Rugs

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LEE DAVID (Continued)**

**1018667340**

1990	ALARCO INC	Drycleaning Plants, Except Rugs
1991	ALARCO INC	Drycleaning Plants, Except Rugs
1992	ALARCO INC	Drycleaning Plants, Except Rugs
1993	ALARCO INC	Drycleaning Plants, Except Rugs
1996	LEE DAVID	Garment Pressing And Cleaners' Agents
1997	LEE DAVID	Garment Pressing And Cleaners' Agents
1998	LEE DAVID	Garment Pressing And Cleaners' Agents
1999	LEE DAVID	Garment Pressing And Cleaners' Agents
2000	LEE DAVID	Garment Pressing And Cleaners' Agents
2001	LEE DAVID	Garment Pressing And Cleaners' Agents
2002	LEE DAVID	Garment Pressing And Cleaners' Agents

**C28**  
**WSW**  
**< 1/8**  
**0.023 mi.**  
**121 ft.**

**SPACE AGE 39 MINUTE CLEANER**  
**1229 N GRAND AVE**  
**WALNUT, CA 91789**

**RCRA-SQG** **1000168223**  
**FINDS** **CAD982036097**  
**ECHO**  
**EMI**  
**HAZNET**

**Site 4 of 8 in cluster C**

**Relative:**  
**Lower**

RCRA-SQG:

Date form received by agency: 09/01/1996  
Facility name: SPACE AGE 39 MINUTE CLEANER  
Facility address: 1229 N GRAND AVE  
WALNUT, CA 91789  
EPA ID: CAD982036097  
Mailing address: N GRAND AVE  
WALNUT, CA 91789  
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 hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: AL MADRID  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPACE AGE 39 MINUTE CLEANER (Continued)**

**1000168223**

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: 110002784158

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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000168223  
Registry ID: 110002784158  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002784158>

**EMI:**

Year: 1987  
County Code: 19  
Air Basin: SC  
Facility ID: 57665  
Air District Name: SC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPACE AGE 39 MINUTE CLEANER (Continued)**

**1000168223**

SIC Code: 9999  
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: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990  
County Code: 19  
Air Basin: SC  
Facility ID: 75718  
Air District Name: SC  
SIC Code: 7216  
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: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

**HAZNET:**

envid: 1000168223  
Year: 1994  
GEPID: CAD982036097  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1229 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917891343  
Gen County: Not reported  
TSD EPA ID: CAT000613893  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .1450  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: 1000168223  
Year: 1993  
GEPID: CAD982036097  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1229 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917891343  
Gen County: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPACE AGE 39 MINUTE CLEANER (Continued)**

**1000168223**

TSD EPA ID: CAT000613893  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Not reported  
Tons: 0  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: 1000168223  
Year: 1993  
GEPaid: CAD982036097  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1229 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917891343  
Gen County: Not reported  
TSD EPA ID: CAT003613893  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Not reported  
Tons: 4.0000000000  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: 1000168223  
Year: 1993  
GEPaid: CAD982036097  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1229 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917891343  
Gen County: Not reported  
TSD EPA ID: CAT000613893  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Transfer Station  
Tons: 0  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: 1000168223  
Year: 1993  
GEPaid: CAD982036097  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1229 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917891343  
Gen County: Not reported  
TSD EPA ID: CAT000613893  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPACE AGE 39 MINUTE CLEANER (Continued)**

**1000168223**

Disposal Method: Transfer Station  
Tons: 0.3225000000  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access  
1 additional CA\_HAZNET: record(s) in the EDR Site Report.

**D29**  
West  
< 1/8  
0.023 mi.  
123 ft.

**COLLEGEWOOD CLEANERS**  
**1317 N GRAND AVE**  
**WALNUT, CA 91789**  
**Site 1 of 3 in cluster D**

**EDR Hist Cleaner 1018920257**  
**N/A**

**Relative:**  
**Higher**

EDR Hist Cleaner

**Actual:**  
**740 ft.**

Year:	Name:	Type:
1991	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents
1992	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents
1993	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents
1994	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents
1995	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents
1996	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents

**D30**  
West  
< 1/8  
0.023 mi.  
123 ft.

**COLLEGEWOOD CLEANERS**  
**1317 GRAND AVE**  
**WALNUT, CA 91789**  
**Site 2 of 3 in cluster D**

**EDR Hist Cleaner 1018407354**  
**N/A**

**Relative:**  
**Higher**

EDR Hist Cleaner

**Actual:**  
**740 ft.**

Year:	Name:	Type:
1985	COLLEGEWOOD CLEANERS	Garment Pressing And Cleaners' Agents
1986	COLLEGEWOOD CLEANERS	Garment Pressing And Cleaners' Agents
1987	COLLEGEWOOD CLEANERS	Garment Pressing And Cleaners' Agents
1988	COLLEGEWOOD CLEANERS	Garment Pressing And Cleaners' Agents
1989	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents
1990	COLLEGEWOOD CLEANERS	Laundry And Drycleaner Agents

**E31**  
West  
< 1/8  
0.023 mi.  
123 ft.

**A PLUS CLEANERS**  
**1355 N GRAND AVE**  
**WALNUT, CA 91789**  
**Site 1 of 2 in cluster E**

**EDR Hist Cleaner 1019918850**  
**N/A**

**Relative:**  
**Higher**

EDR Hist Cleaner

**Actual:**  
**759 ft.**

Year:	Name:	Type:
2003	MAYFLOWER CLEANERS	Drycleaning Plants, Except Rugs
2004	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2005	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2006	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2007	A PLUS CLEANERS	Drycleaning Plants, Except Rugs

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A PLUS CLEANERS (Continued)**

**1019918850**

2008	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2009	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2010	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2011	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2012	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2013	A PLUS CLEANERS	Drycleaning Plants, Except Rugs
2014	A PLUS CLEANERS	Drycleaning Plants, Except Rugs

**E32**  
**West**  
 < 1/8  
 0.023 mi.  
 123 ft.

**LEWIS CLEANERS**  
**1345 N GRAND AVE**  
**WALNUT, CA 91789**  
 Site 2 of 2 in cluster E

**EDR Hist Cleaner**    **1020027420**  
 N/A

**Relative:**  
**Higher**

EDR Hist Cleaner

**Actual:**  
 757 ft.

Year:	Name:	Type:
1988	LEWIS CLEANERS	Drycleaning Plants, Except Rugs
1989	LEWIS CLEANERS	Drycleaning Plants, Except Rugs

**33**  
**NNW**  
 < 1/8  
 0.029 mi.  
 154 ft.

**DON JIREH**  
**21074 GRANITE WELLS RD**  
**WALNUT, CA 91789**

**EDR Hist Cleaner**    **1018484458**  
 N/A

**Relative:**  
**Higher**

EDR Hist Cleaner

**Actual:**  
 903 ft.

Year:	Name:	Type:
2001	DON JIREH	Carpet And Upholstery Cleaning
2002	DON JIREH	Carpet And Upholstery Cleaning

**C34**  
**WSW**  
 < 1/8  
 0.034 mi.  
 178 ft.

**CHEVRON USA SS 202029**  
**1203 N GRAND AVE**  
**WALNUT, CA 91789**  
 Site 5 of 8 in cluster C

**UST**    **U003777397**  
 N/A

**Relative:**  
**Lower**

UST:

**Actual:**  
 725 ft.

Facility ID:	21182
Permitting Agency:	LOS ANGELES COUNTY
Latitude:	34.0445032
Longitude:	-117.8468885

Facility ID:	LACoFA0012889
Permitting Agency:	Los Angeles County Fire Department
Latitude:	34.04318
Longitude:	-117.8484

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C35**  
**WSW**  
**< 1/8**  
**0.034 mi.**  
**178 ft.**

**CHEVRON 202029**  
**1203 N GRAND AVE.**  
**WALNUT, CA 91789**  
**Site 6 of 8 in cluster C**

**RCRA-LQG** **1000820192**  
**FINDS** **CAD983662198**  
**ECHO**

**Relative:**  
**Lower**

RCRA-LQG:

**Actual:**  
**725 ft.**

Date form received by agency: 02/19/2008  
Facility name: CHEVRON 202029  
Facility address: 1203 N GRAND AVE.  
WALNUT, CA 91789  
EPA ID: CAD983662198  
Mailing address: PO BOX 6004  
SAN RAMON, CA 94583  
Contact: KATHY L NORRIS  
Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: 925-842-5931  
Contact email: NAWTDESK@CHEVRON.COM  
EPA Region: 09  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CHEVRON PRODUCTS CO.  
Owner/operator address: PO BOX 6004  
SAN RAMON, CA 94583  
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: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 08/11/1992  
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO.  
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: Private  
Owner/Operator Type: Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON 202029 (Continued)**

**1000820192**

Owner/Op start date: 08/11/1992  
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  
Used 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: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D018  
. Waste name: BENZENE

Historical Generators:

Date form received by agency: 02/23/2004  
Site name: CHEVRON 202029  
Classification: Small Quantity Generator

Date form received by agency: 02/23/2004  
Site name: CHEVRON 202029  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

Date form received by agency: 05/16/2002  
Site name: CHEVRON STATION NO 202029  
Classification: Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D018  
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110002894789

Environmental Interest/Information System  
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)  
provides California with information on hazardous waste shipments for

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEVRON 202029 (Continued)**

**1000820192**

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

HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000820192  
 Registry ID: 110002894789  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002894789>

**C36**  
**WSW**  
**< 1/8**  
**0.034 mi.**  
**178 ft.**

**DAVES CHEVRON INC**  
**1203 N GRAND AVE**  
**WALNUT, CA 91789**  
**Site 7 of 8 in cluster C**

**EDR Hist Auto 1021501433**  
**N/A**

**Relative:**  
**Lower**

EDR Hist Auto

**Actual:**  
**725 ft.**

Year:	Name:	Type:
1989	EXXON CO USA	Gasoline Service Stations
1991	EXXON CO USA	Gasoline Service Stations
1992	EXXON CO USA	Gasoline Service Stations
1993	EXXON CO USA	Gasoline Service Stations
1994	EXXON CO USA	Gasoline Service Stations
1995	CHEVRON FOOD MART	Gasoline Service Stations
1996	CHEVRON FOOD MART	Gasoline Service Stations
1997	CHEVRON FOOD MART	Gasoline Service Stations
1998	CHEVRON FOOD MART	Gasoline Service Stations
1999	CHEVRON FOOD MART	Gasoline Service Stations
2000	DAVES CHEVRON	Gasoline Service Stations
2001	DAVES CHEVRON	Gasoline Service Stations
2002	DAVES CHEVRON	Gasoline Service Stations
2003	DAVES CHEVRON	Gasoline Service Stations
2004	DAVES CHEVRON	Gasoline Service Stations
2005	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2006	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2007	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2008	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2009	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2010	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2011	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2012	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2013	DAVES CHEVRON INC	Gasoline Service Stations, NEC
2014	DAVES CHEVRON INC	Gasoline Service Stations, NEC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C37**  
**WSW**  
**< 1/8**  
**0.034 mi.**  
**178 ft.**  
**CHEVRON #20-2029**  
**1203 N GRAND AVE**  
**WALNUT, CA 91789**  
**Site 8 of 8 in cluster C**

**LUST** **S103625466**  
**N/A**

**Relative:**  
**Lower**

LUST:

**Actual:**  
**725 ft.**

Region: STATE  
Global Id: T0603789797  
Latitude: 34.0430369944063  
Longitude: -117.848373278608  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 01/19/2016  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Case Worker: ALT  
Local Agency: LOS ANGELES COUNTY  
RB Case Number: I-13371A  
LOC Case Number: Not reported  
File Location: Local Agency  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603789797  
Contact Type: Regional Board Caseworker  
Contact Name: ADAM TAING  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: 320 West 4th Street  
City: LOS ANGELES  
Email: adam.taing@waterboards.ca.gov  
Phone Number: 2135766752

Global Id: T0603789797  
Contact Type: Local Agency Caseworker  
Contact Name: PHILLIP GHARIBIANS-TABRIZI  
Organization Name: LOS ANGELES COUNTY  
Address: 900 S. FREMONT AVE.  
City: ALHAMBRA  
Email: pgharibians@dpw.lacounty.gov  
Phone Number: Not reported

Status History:

Global Id: T0603789797  
Status: Completed - Case Closed  
Status Date: 01/19/2016

Global Id: T0603789797  
Status: Open - Case Begin Date  
Status Date: 12/04/2002

Global Id: T0603789797  
Status: Open - Eligible for Closure  
Status Date: 09/28/2015

Global Id: T0603789797

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEVRON #20-2029 (Continued)**

**S103625466**

Status: Open - Site Assessment  
 Status Date: 02/03/2005

Regulatory Activities:

Global Id: T0603789797  
 Action Type: Other  
 Date: 04/02/2003  
 Action: Leak Reported

Global Id: T0603789797  
 Action Type: RESPONSE  
 Date: 07/15/2013  
 Action: Other Report / Document

Global Id: T0603789797  
 Action Type: ENFORCEMENT  
 Date: 01/19/2016  
 Action: Closure/No Further Action Letter

Global Id: T0603789797  
 Action Type: ENFORCEMENT  
 Date: 11/18/2015  
 Action: Notification - Preclosure

Global Id: T0603789797  
 Action Type: REMEDIATION  
 Date: 02/03/2005  
 Action: Not reported

Global Id: T0603789797  
 Action Type: ENFORCEMENT  
 Date: 05/03/2013  
 Action: Staff Letter

Global Id: T0603789797  
 Action Type: ENFORCEMENT  
 Date: 04/04/2013  
 Action: Referral to Regional Board

Global Id: T0603789797  
 Action Type: Other  
 Date: 12/04/2002  
 Action: Leak Discovery

D38  
 West  
 < 1/8  
 0.038 mi.  
 200 ft.

**LEES SHELL SERVICE**  
**1325 N GRAND**  
**WALNUT, CA 91789**  
 Site 3 of 3 in cluster D

EDR Hist Auto 1021462419  
 N/A

Relative:  
 Higher

EDR Hist Auto

Actual:  
 746 ft.

Year: Name:  
 1969 LEES SHELL SERVICE  
 1971 LEES SHELL SERVICE

Type:  
 Gasoline Service Stations  
 Gasoline Service Stations

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

39  
WSW  
< 1/8  
0.054 mi.  
285 ft.

**SUPER FOCUS**  
**1205 N GRAND AVE**  
**WALNUT, CA 91789**

**RCRA-SQG** 1000686514  
**SWEEPS UST** CAD983638347  
**FINDS**  
**ECHO**  
**HAZNET**

**Relative:**  
**Lower**

RCRA-SQG:

**Actual:**  
**722 ft.**

Date form received by agency: 02/27/1992  
Facility name: SUPER FOCUS  
Facility address: 1205 N GRAND AVE  
WALNUT, CA 91789  
EPA ID: CAD983638347  
Contact: STEVEN NGUYEN  
Contact address: 1205 N GRAND AVE  
WALNUT, CA 91789  
Contact country: US  
Contact telephone: 714-594-1213  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: STEVEN NGUYEN  
Owner/operator address: 1205 N GRAND AVE  
WALNUT, CA 91789  
Owner/operator country: Not reported  
Owner/operator telephone: 714-594-1213  
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 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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUPER FOCUS (Continued)**

**1000686514**

SWEEPS UST:

Status: Active  
Comp Number: 13371  
Number: 9  
Board Of Equalization: 44-000285  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013371-000001  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: 4

Status: Active  
Comp Number: 13371  
Number: 9  
Board Of Equalization: 44-000285  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013371-000002  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13371  
Number: 9  
Board Of Equalization: 44-000285  
Referral Date: 06-30-89  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013371-000003  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 13371  
Number: 9  
Board Of Equalization: 44-000285  
Referral Date: 06-30-89

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUPER FOCUS (Continued)**

**1000686514**

Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-000-013371-000004  
Tank Status: A  
Capacity: Not reported  
Active Date: 06-30-89  
Tank Use: UNKNOWN  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

**FINDS:**

Registry ID: 110002877664

**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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000686514  
Registry ID: 110002877664  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002877664>

**HAZNET:**

envid: 1000686514  
Year: 1998  
GEPaid: CAD983638347  
Contact: STEVEN NGUYEN  
Telephone: 7145941213  
Mailing Name: Not reported  
Mailing Address: 1205 N GRAND AVE  
Mailing City,St,Zip: WALNUT, CA 917890000  
Gen County: Not reported  
TSD EPA ID: CAD108040858  
TSD County: Not reported  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Tons: .7422  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Los Angeles

envid: 1000686514  
Year: 1997  
GEPaid: CAD983638347  
Contact: STEVEN NGUYEN

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SUPER FOCUS (Continued)**

**1000686514**

Telephone: 7145941213  
 Mailing Name: Not reported  
 Mailing Address: 1205 N GRAND AVE  
 Mailing City,St,Zip: WALNUT, CA 917890000  
 Gen County: Not reported  
 TSD EPA ID: CAD108040858  
 TSD County: Not reported  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Tons: .2502  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: Los Angeles

**40  
 NNW  
 < 1/8  
 0.078 mi.  
 412 ft.**

**DISCOUNT TIRES & AUTO REPAIR  
 21050 STODDARD WELLS RD  
 WALNUT, CA 91789**

**EDR Hist Auto 1021032335  
 N/A**

**Relative:  
 Higher**

EDR Hist Auto

**Actual:  
 898 ft.**

Year:	Name:	Type:
2002	DISCOUNT TIRES & AUTO REPAIR	General Automotive Repair Shops
2003	DISCOUNT TIRES & AUTO REPAIR	General Automotive Repair Shops
2004	DISCOUNT TIRES & AUTO REPAIR	General Automotive Repair Shops
2005	DISCOUNT TIRES & AUTO REPAIR	General Automotive Repair Shops

**F41  
 WSW  
 < 1/8  
 0.116 mi.  
 610 ft.**

**RITZ CLEANERS  
 20747 5 AMAR RD  
 WALNUT, CA 91789  
 Site 1 of 2 in cluster F**

**RCRA-SQG 1000905530  
 FINDS CA0000839852  
 ECHO  
 DRYCLEANERS**

**Relative:  
 Lower**

RCRA-SQG:

**Actual:  
 735 ft.**

Date form received by agency: 09/28/1994  
 Facility name: RITZ CLEANERS  
 Facility address: 20747 5 AMAR RD  
 WALNUT, CA 91789  
 EPA ID: CA0000839852  
 Mailing address: 5 AMAR RD  
 WALNUT, CA 91789  
 Contact: ABHAY JAIN  
 Contact address: 20747 5 AMAR RD  
 WALNUT, CA 91789  
 Contact country: US  
 Contact telephone: 909-598-6221  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITZ CLEANERS (Continued)**

**1000905530**

Owner/Operator Summary:

Owner/operator name: JAIN ABHAY  
Owner/operator address: 20747 5 AMAR RD  
WALNUT, CA 91789  
Owner/operator country: Not reported  
Owner/operator telephone: 909-598-6221  
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 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: 110002620209

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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000905530  
Registry ID: 110002620209  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002620209>

DRYCLEANERS:

EPA Id: CA0000839852

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RITZ CLEANERS (Continued)**

**1000905530**

NAICS Code: 81232  
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
 SIC Code: 7211  
 SIC Description: Power Laundries, Family and Commercial  
 Create Date: 12/08/1995  
 Facility Active: No  
 Inactive Date: 06/30/2004  
 Facility Addr2: Not reported  
 Owner Name: JAIN ABHAY  
 Owner Address: 20747 AMAR RD STE 5  
 Owner Address 2: Not reported  
 Owner Telephone: 9095986221  
 Contact Name: JAIN ABHAY  
 Contact Address: 20747 AMAR RD STE 5  
 Contact Address 2: Not reported  
 Contact Telephone: 9095986221  
 Mailing Name: Not reported  
 Mailing Address 1: 20747 AMAR RD STE 5  
 Mailing Address 2: Not reported  
 Mailing City: WALNUT  
 Mailing State: CA  
 Mailing Zip: 917895043  
 Owner Fax: Not reported  
 Region Code: 3

**F42**  
**WSW**  
**< 1/8**  
**0.116 mi.**  
**610 ft.**

**RITZ CLEANERS**  
**20747 AMAR RD STE 5**  
**WALNUT, CA 91789**

**EDR Hist Cleaner 1020075258**  
**N/A**

**Site 2 of 2 in cluster F**

**Relative:**  
**Lower**

EDR Hist Cleaner

**Actual:**  
**735 ft.**

Year:	Name:	Type:
1996	RITZ CLEANERS	Drycleaning Plants, Except Rugs
1997	RITZ CLEANERS	Drycleaning Plants, Except Rugs
1998	RITZ CLEANERS	Drycleaning Plants, Except Rugs
1999	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2000	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2001	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2002	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2003	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2004	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2005	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2006	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2007	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2008	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2009	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2010	RITZ CLEANERS	Drycleaning Plants, Except Rugs
2011	RITZ CLEANERS	Drycleaning Plants, Except Rugs

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

43  
ESE  
1/2-1  
0.572 mi.  
3022 ft.

**SPADRA LDFL**  
**4125 W VALLEY BLVD**  
**WALNUT, CA 91789**

**SEMS-ARCHIVE** 1000978065  
**RCRA-SQG** CAD000607705  
**ENVIROSTOR**  
**SWF/LF**  
**WMUDS/SWAT**  
**CHMIRS**  
**US AIRS**  
**Financial Assurance**  
**WDS**

**Relative:**  
**Lower**

**Actual:**  
**653 ft.**

SEMS-ARCHIVE:  
Site ID: 900916  
EPA ID: CAD000607705  
Federal Facility: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Following information was gathered from the prior CERCLIS update completed in 10/2013:**

Site ID: 0900916  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13285228.00000  
Person ID: 13003854.00000  
  
Contact Sequence ID: 13290823.00000  
Person ID: 13003858.00000  
  
Contact Sequence ID: 13296681.00000  
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: LOS ANGELES CO LDFL#2  
Alias Address: SPADRA (5) VALLEY BLVD  
PONOMA, CA 91789

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: / /  
Date Completed: 11/01/79  
Priority Level: Not reported  
  
Action: PRELIMINARY ASSESSMENT  
Date Started: 01/01/84  
Date Completed: 09/01/84  
Priority Level: Low priority for further assessment  
  
Action: SITE INSPECTION  
Date Started: / /  
Date Completed: 09/01/85  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information  
  
Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 09/01/85  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

RCRA-SQG:

Date form received by agency: 10/12/2000  
Facility name: SPADRA LANDFILL  
Facility address: 4125 W. VALLEY BLVD.  
WALNUT, CA 91789  
EPA ID: CAD000607705  
Mailing address: P.O. BOX 4998  
WHITTIER, CA 90607  
Contact: MISHELLE D. MISCHE  
Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: 562-699-7411  
Telephone ext.: 2488  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

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: 04/15/1999  
Site name: SPADRA LANDFILL  
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996  
Site name: SPADRA LANDFILL  
Classification: Small Quantity Generator

Date form received by agency: 03/29/1996  
Site name: SPADRA LANDFILL  
Classification: Large Quantity Generator

Date form received by agency: 11/10/1994  
Site name: SPADRA LANDFILL  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Date form received by agency: 03/29/1994  
Site name: SPADRA LANDFILL  
Classification: Large Quantity Generator

Violation Status: No violations found

**ENVIROSTOR:**

Facility ID: 19490004  
Status: Refer: RWQCB  
Status Date: 11/18/1980  
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: Referred - Not Assigned  
Division Branch: Cleanup Chatsworth  
Assembly: Not reported  
Senate: Not reported  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.03866  
Longitude: -117.8237  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAD000607705  
Alias Type: EPA Identification Number  
Alias Name: 110018952347  
Alias Type: EPA (FRS #)  
Alias Name: 19490004  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 10/28/1980  
Comments: Facility identified. RWQCB & County Environmental Health records searched.

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



Map ID  
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MAP FINDINGS

Site

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EDR ID Number  
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**SPADRA LDFL (Continued)**

**1000978065**

SWF/LF (SWIS):

Region: STATE  
Facility ID: 19-AA-0015  
Lat/Long: 34.04111 / -117.82444  
Owner Name: Calif Polytechnic University-Pomona  
Owner Telephone: 7145956666  
Owner Address: Not reported  
Owner Address2: 3801 West Temple Street  
Owner City,St,Zip: Pomona, CA 91768  
Operational Status: Closed  
Operator: County Of Los Angeles Sanitation Dist  
Operator Phone: 5629084288  
Operator Address: Not reported  
Operator Address2: P.O. Box 4998  
Operator City,St,Zip: Whittier, CA 90607  
Permit Date: 08/13/1997  
Permit Status: Permitted  
Permitted Acreage: \$323.00  
Activity: Solid Waste Landfill  
Regulation Status: Permitted  
Landuse Name: Residential,Industrial,Agricultural  
GIS Source: Map  
Category: Disposal  
Unit Number: 01  
Inspection Frequency: Quarterly  
Accepted Waste: Construction/demolition,Industrial,Inert,Mixed municipal  
Closure Date: 01/01/1999  
Closure Type: Estimated  
Disposal Acreage: \$172.00  
SWIS Num: 19-AA-0015  
Waste Discharge Requirement Num: III  
Program Type: Financial Assurance Responsibilities  
Permitted Throughput with Units: 3700  
Actual Throughput with Units: Tons/day  
Permitted Capacity with Units: 27700000  
Remaining Capacity: Not reported  
Remaining Capacity with Units: Cubic Yards  
Lat/Long: 34.04111 / -117.82444

LOS ANGELES CO. LF:

Site ID: 21  
Alt. Address: Not reported  
Site Contact: Not reported  
Site Contact Phone: Not reported  
Site Email: Not reported  
Site Website: [http://www.lacsd.org/about/solid\\_waste\\_facilities/spadra/default.asp](http://www.lacsd.org/about/solid_waste_facilities/spadra/default.asp)  
Site Type: Municipal Solid Waste Landfill  
Site SWIS Number: 19-AA-0015  
Beginning Operation Date: Jul-57  
Ending Operation Date: Sep-00  
Local Enforcement Agency: Vacant  
Maximun Depth Fill(Ft): Not reported  
Permitted Capacity: Not reported  
Present Use: Open Space  
Remaining Capacity(Million): Not reported  
Status: Closed

Map ID  
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MAP FINDINGS

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Database(s)

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**SPADRA LDFL (Continued)**

**1000978065**

Waste Accepted: Not reported  
Hours of Operation: Not reported  
Disposal Area (Acre): Not reported

Detail As Of 01/2014:

Operator Name: County of Los Angeles Sanitation Districts  
Operator Address: 1955 Workman Mill Road  
Operator City/State/Zip: Whittier, CA 90601  
Operator Contact: Willy Mejia  
Operator Telephone: (562) 699-7411x6069  
Operator Email: wmejia@lacsds.org  
Owner Name: Unknown  
Owner Address: Not reported  
Owner City/State/Zip: Not reported  
Owner Contact: Not reported  
Owner Telephone: Not reported  
Owner Email: Not reported

WMUDS/SWAT:

Edit Date: 19950126  
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Primary Waste: SLDWST  
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).

Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Base Meridian: SB  
NPID: Not reported  
Tonnage: 3700  
Regional Board ID: 57-91  
Municipal Solid Waste: True  
Superorder: True  
Open To Public: False  
Waste List: True  
Agency Type: County  
Agency Name: LOS ANGELES COUNTY SAN DIST  
Agency Department: CHIEF ENGINEER AND GENERAL MAN  
Agency Address: P.O.BOX 4998  
Agency City,St,Zip: WHITTIER CA 906074998  
Agency Contact: CHARLES CARRY  
Agency Telephone: 5626997411  
Land Owner Name: LOS ANGELES COUNTY  
Land Owner Address: 500 W. TEMPLE ST  
Land Owner City,St,Zip: LOS ANGELES, CA 90012  
Land Owner Contact: Not reported  
Land Owner Phone: 2139741234  
Region: 4  
Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.  
Facility Description: Not reported  
Facility Telephone: 5626997411

Map ID  
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MAP FINDINGS

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**SPADRA LDFL (Continued)**

**1000978065**

SWAT Facility Name: SPADRA SANITARY LANDFILL NO 2  
Primary SIC: 4953  
Secondary SIC: Not reported  
Comments: RB RECORDS SAY 2,326 TONS/DAY.  
Last Facility Editors: JHMJHMJHM  
Waste Discharge System: True  
Solid Waste Assessment Test Program: True  
Toxic Pits Cleanup Act Program: False  
Resource Conservation Recovery Act: False  
Department of Defence: False  
Solid Waste Assessment Test Program: COUNTY SAN DISTRICTS OF LA COUNTY  
Threat to Water Quality: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.

Sub Chapter 15: True  
Regional Board Project Officer: Not reported  
Number of WMUDS at Facility: 2  
Section Range: 15 09W  
RCRA Facility: No  
Waste Discharge Requirements: A  
Self-Monitoring Rept. Frequency: Monthly Submittal  
Waste Discharge System ID: 4B190322008  
Solid Waste Information ID: 19-AA-0015

**CHMIRS:**

OES Incident Number: 3-0791  
OES notification: 02/11/2003  
OES Date: Not reported  
OES Time: Not reported  
**Date Completed: Not reported**  
Property Use: Not reported  
Agency Id Number: Not reported  
Agency Incident Number: Not reported  
Time Notified: Not reported  
Time Completed: Not reported  
Surrounding Area: Not reported  
Estimated Temperature: Not reported  
Property Management: Not reported  
More Than Two Substances Involved?: Not reported  
Resp Agency Personel # Of Decontaminated: Not reported  
Responding Agency Personel # Of Injuries: Not reported  
Responding Agency Personel # Of Fatalities: Not reported  
Others Number Of Decontaminated: Not reported  
Others Number Of Injuries: Not reported  
Others Number Of Fatalities: Not reported  
Vehicle Make/year: Not reported  
Vehicle License Number: Not reported  
Vehicle State: Not reported  
Vehicle Id Number: Not reported  
CA DOT PUC/ICC Number: Not reported  
Company Name: Not reported  
Reporting Officer Name/ID: Not reported  
Report Date: Not reported  
Facility Telephone: Not reported

Map ID  
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MAP FINDINGS

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**SPADRA LDFL (Continued)**

**1000978065**

Waterway Involved: Yes  
Waterway: Storm Drain / San Jose Creek / San Gabriel River  
Spill Site: Not reported  
Cleanup By: Reporting Party  
Containment: Not reported  
What Happened: Not reported  
Type: Not reported  
Measure: Not reported  
Other: Not reported  
Date/Time: Not reported  
Year: 2003  
Agency: Los Angeles Co Sanitation Dist  
Incident Date: 2/11/200312:00:00 AM  
Admin Agency: L. A. County Fire Prevention  
Amount: Not reported  
Contained: Yes  
Site Type: Other  
E Date: Not reported  
Substance: Sodium Hypochlorite  
Gallons: 100  
Unknown: 0  
Substance #2: Not reported  
Substance #3: Not reported  
Evacuations: 0  
Number of Injuries: 0  
Number of Fatalities: 0  
#1 Pipeline: Not reported  
#2 Pipeline: Not reported  
#3 Pipeline: Not reported  
#1 Vessel >= 300 Tons: Not reported  
#2 Vessel >= 300 Tons: Not reported  
#3 Vessel >= 300 Tons: Not reported  
Evacs: Not reported  
Injuries: Not reported  
FATALS: Not reported  
Comments: Not reported  
Description: Substance was released due to mechanical failure as the truck tried to delivery product.

**US AIRS (AFS):**

Envid: 1000978065  
Region Code: 09  
County Code: CA037  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
D and B Number: Not reported  
Facility Site Name: LA CO- SANITATION DIST SPADRA LANDFILL  
Primary SIC Code: 4953  
NAICS Code: 562112  
Default Air Classification Code: MAJ  
Facility Type of Ownership Code: CNG  
Air CMS Category Code: TVM  
HPV Status: Not reported

**US AIRS (AFS):**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Emergency Powers  
Activity Date: 2013-11-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2013-11-20 00:00:00  
Activity Status Date: 2014-11-06 11:59:47  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-02-28 00:00:00  
Activity Status Date: 2014-11-06 11:45:39  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-07-31 00:00:00  
Activity Status Date: 2014-11-06 11:42:32  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-10-16 00:00:00  
Activity Status Date: 2014-11-07 14:12:08  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2015-06-26 00:00:00  
Activity Status Date: 2015-09-09 19:36:03  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2015-06-26 00:00:00  
Activity Status Date: 2015-09-09 19:43:52  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2016-09-01 00:00:00  
Activity Status Date: 2016-09-23 20:07:35  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2016-09-13 00:00:00  
Activity Status Date: 2016-09-23 20:08:24  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1997-08-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

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Direction  
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Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1998-12-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1999-09-15 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-01-03 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-09-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Date: 2004-05-14 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2004-12-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2005-07-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-08-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-08-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716



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**SPADRA LDFL (Continued)**

**1000978065**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2007-02-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2007-06-07 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2007-11-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2008-02-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2008-06-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

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EDR ID Number  
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**SPADRA LDFL (Continued)**

**1000978065**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2008-06-11 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2008-09-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2009-03-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2009-09-11 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2009-09-22 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

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EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-09-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-10-06 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-10-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-03-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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EDR ID Number  
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**SPADRA LDFL (Continued)**

**1000978065**

Activity Date: 2010-07-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-07-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-11-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-02-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-06-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-06-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-11-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-11-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-02-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-07-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-07-19 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-11-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-11-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2013-02-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2013-07-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-08-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-11-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-11-20 00:00:00
Activity Status Date:	2014-11-06 11:59:47
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-02-28 00:00:00
Activity Status Date:	2014-11-06 11:45:39
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Date: 2014-07-31 00:00:00  
Activity Status Date: 2014-11-06 11:42:32  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-10-16 00:00:00  
Activity Status Date: 2014-11-07 14:12:08  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-12-03 00:00:00  
Activity Status Date: 2015-09-09 19:40:18  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-12-04 00:00:00  
Activity Status Date: 2015-09-09 19:42:58  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-02-27 00:00:00  
Activity Status Date: 2015-09-09 19:37:38  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-06-26 00:00:00  
Activity Status Date: 2015-09-09 19:36:03  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-06-26 00:00:00  
Activity Status Date: 2015-09-09 19:43:52  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-11-24 00:00:00  
Activity Status Date: 2016-09-23 20:06:44  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2016-09-01 00:00:00  
Activity Status Date: 2016-09-23 20:07:35  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2016-09-13 00:00:00  
Activity Status Date: 2016-09-23 20:08:24  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Map ID  
Direction  
Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 1998-12-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 1999-09-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2000-03-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2002-01-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2002-09-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2004-05-14 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2004-12-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2005-07-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2006-08-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Date: 2006-08-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2007-02-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2007-06-07 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2007-11-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2008-02-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2008-06-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2008-06-11 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2008-09-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-03-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-09-11 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-09-22 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-09-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-10-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-10-07 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-03-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-07-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-07-29 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-11-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-02-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0573
Facility Registry ID:	110000781716
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID  
Direction  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Activity Date: 2011-06-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-06-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-11-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-11-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-02-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716



Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-07-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-07-19 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-11-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-11-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-02-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-07-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-08-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0573  
Facility Registry ID: 110000781716  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2016-02-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

**CA Financial Assurance 2:**

Region: 2  
SWIS\_NO: 19-AA-0015  
Closure Approved: Yes  
Closure Inf Coverage Date: Not reported  
Closure Plan Coverage: \$0.00  
Closure Plan Date: 06/01/2014  
PostClose Approved: Yes  
PostClose Adequacy Date: 06/01/2014  
PostClose Inf Coverage: \$32,591,089.00  
PostClose Inf Coverage Date: 05/07/2014  
CorActCoverage: \$610,500.00  
CorActApproved: Yes  
CorAct Mec Adequacy Date: Not reported  
CorAct Inf Coverage: \$607,501.00  
CorActPlanCoverage: \$607,501.00  
CorAct Plan Date: 06/23/2014  
Lia Coverage: \$0.00  
Lia Approved: Yes  
Review: 01/07/2015

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Closure Mechanism A:	Not reported
Closure Mechanism B:	Not reported
Closure Coverage:	\$0.00
Closure Adequacy:	Not reported
Closure Inflation Estimate:	\$0.00
Post Closure Mechanism A:	PLEDGE OF REVENUE
Post Closure Established A:	09/11/2012
Post Closure Mechanism B:	Not reported
Post Closure Coverate:	\$47,722,709.00
Post Closure Adequacy:	Not reported
Corrective Action Extablished A:	09/11/2012
Corrective Actiont Coverage:	\$610,500.00
Corrective Action Approved:	Yes
Corrective Action Inflation Estimate:	\$607,501.00
Corrective Action Inflationdate:	01/01/2015
Corrective Action Plan Estimate:	\$607,501.00
Liability Mechanism A:	Not reported
Liability Established A:	Not reported
Liability Mechanism B:	Not reported
CostAnniversary:	12/31/2012
ClosureEstablishedA:	Not reported
ClosureEstablishedB:	Not reported
ClosureDisbursement:	0
PostClosureEstablishedB:	Not reported
PostClosureDisbursement:	0
CorrectiveActionMechanismA:	TRUST FUND
CorrectiveActionMechanismB:	Not reported
CorrectiveActionExtablishedB:	Not reported
CorrectiveActiontDisbursement:	0
LiabilityEstablisedB:	Not reported
LiabilityAdequacy:	Not reported
Contact:	County Sanitation Districts of Los Angel

**WDS:**

Facility ID:	Los Angeles River 190322008
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	4
Facility Telephone:	5626997411
Facility Contact:	Jeff Weiss
Agency Name:	LA CO SANITATION DISTRICTS
Agency Address:	1955 Workman Mill Rd.
Agency City,St,Zip:	Whittier 90607
Agency Contact:	James Stahl
Agency Telephone:	5626997411
Agency Type:	County
SIC Code:	4953
SIC Code 2:	Not reported
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste:	SLDWST
Waste Type2:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SPADRA LDFL (Continued)**

**1000978065**

Waste2: Solid Wastes  
 Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
 Secondary Waste: Not reported  
 Secondary Waste Type: Not reported  
 Design Flow: 0  
 Baseline Flow: 0  
 Reclamation: No reclamation requirements associated with this facility.  
 POTW: The facility is not a POTW.  
 Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.  
 Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

**44  
 ESE  
 1/2-1  
 0.617 mi.  
 3257 ft.**

**TITECH  
 4000 WEST VALLEY BLVD.  
 POMONA, CA 91768**

**ENVIROSTOR  
 VCP  
 DEED  
 CHMIRS**

**S105633049  
 N/A**

**Relative:  
 Lower**

ENVIROSTOR:  
 Facility ID: 19340790  
 Status: Certified O&M - Land Use Restrictions Only  
 Status Date: 08/04/2006  
 Site Code: 301225  
 Site Type: Voluntary Cleanup  
 Site Type Detailed: Voluntary Cleanup  
 Acres: 9  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Jessy Fierro  
 Supervisor: Juli Propes  
 Division Branch: Cleanup Chatsworth  
 Assembly: 52  
 Senate: 20  
 Special Program: Voluntary Cleanup Program  
 Restricted Use: YES  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Responsible Party  
 Latitude: 34.03809  
 Longitude: -117.8233  
 APN: 8709-026-011, 8709-026-016  
 Past Use: FOUNDRY  
 Potential COC: Arsenic Tetrachloroethylene (PCE Trichloroethylene (TCE  
 Confirmed COC: Arsenic Tetrachloroethylene (PCE Trichloroethylene (TCE  
 Potential Description: OTH, SOIL, SV, IA  
 Alias Name: 8709-026-011

**Actual:  
 653 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TITECH (Continued)**

**S105633049**

Alias Type: APN  
Alias Name: 8709-026-016  
Alias Type: APN  
Alias Name: CAD982504417  
Alias Type: CERCLIS ID  
Alias Name: 110000478340  
Alias Type: EPA (FRS #)  
Alias Name: 301225  
Alias Type: Project Code (Site Code)  
Alias Name: 19340790  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 07/28/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 03/29/2012  
Comments: LUC inspection conducted; Site continues to operate as commercial units.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 05/18/2004  
Comments: The VCA for the former Titech Site has been signed. The scope of the VCA includes: review & comment of previous investigation provide oversight for any necessary field activities, and make determination on whether further action is necessary.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 01/05/2006  
Comments: VCA amended to include RAW.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 01/03/2005  
Comments: Final RAW approval by DTSC includes excavation of contaminated soil and SVE, if necessary. Deed Restriction may be implemented if residential cleanup levels are not achieved.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 08/03/2004  
Comments: In the approved PEA, additional sampling was conducted to address the tetrachloroethylene, trichloroethylene & arsenic contamination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TITECH (Continued)**

**S105633049**

Completed Document Type: Removal Action Completion Report  
Completed Date: 05/19/2006  
Comments: DTSC has approved RA Completion Report summarizing excavation activities at Titech.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 10/13/2005  
Comments: Based on data submitted by URS, DTSC conditionally approved excavation activities performed at the Site. Subsequently, the City of Pomona provided a grading permit.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 04/06/2006  
Comments: Soil gas sampling at to locations was performed on 4/6/06.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/31/2014  
Comments: Completed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 03/29/2010  
Comments: Commercial building on site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 07/08/2008  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Voluntary Cleanup Agreement Completion  
Completed Date: 08/04/2006  
Comments: VCA was completed and an NFA was issued for the site soil. A Land Use Covenant is in place to restrict the property to commercial/industrial use.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification  
Completed Date: 08/04/2006  
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: PROJECT WIDE  
Schedule Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TITECH (Continued)**

**S105633049**

Schedule Document Type: 5 Year Review Reports  
Schedule Due Date: 12/14/2016  
Schedule Revised Date: Not reported

VCP:

Facility ID: 19340790  
Site Type: Voluntary Cleanup  
Site Type Detail: Voluntary Cleanup  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 9  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Jessy Fierro  
Supervisor: Juli Propes  
Division Branch: Cleanup Chatsworth  
Site Code: 301225  
Assembly: 52  
Senate: 20  
Special Programs Code: Voluntary Cleanup Program  
Status: Certified O&M - Land Use Restrictions Only  
Status Date: 08/04/2006  
Restricted Use: YES  
Funding: Responsible Party  
Lat/Long: 34.03809 / -117.8233  
APN: 8709-026-011, 8709-026-016  
Past Use: FOUNDRY  
Potential COC: 30001, 30022, 30027  
Confirmed COC: 30001,30022,30027  
Potential Description: OTH, SOIL, SV, IA  
Alias Name: 8709-026-011  
Alias Type: APN  
Alias Name: 8709-026-016  
Alias Type: APN  
Alias Name: CAD982504417  
Alias Type: CERCLIS ID  
Alias Name: 110000478340  
Alias Type: EPA (FRS #)  
Alias Name: 301225  
Alias Type: Project Code (Site Code)  
Alias Name: 19340790  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 07/28/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 03/29/2012  
Comments: LUC inspection conducted; Site continues to operate as commercial units.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TITECH (Continued)**

**S105633049**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 05/18/2004  
Comments: The VCA for the former Titech Site has been signed. The scope of the VCA includes: review & comment of previous investigation provide oversight for any necessary field activities, and make determination on whether further action is necessary.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 01/05/2006  
Comments: VCA amended to include RAW.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 01/03/2005  
Comments: Final RAW approval by DTSC includes excavation of contaminated soil and SVE, if necessary. Deed Restriction may be implemented if residential cleanup levels are not achieved.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 08/03/2004  
Comments: In the approved PEA, additional sampling was conducted to address the tetrachloroethylene, trichloroethylene & arsenic contamination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 05/19/2006  
Comments: DTSC has approved RA Completion Report summarizing excavation activities at Titech.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 10/13/2005  
Comments: Based on data submitted by URS, DTSC conditionally approved excavation activities performed at the Site. Subsequently, the City of Pomona provided a grading permit.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 04/06/2006  
Comments: Soil gas sampling at to locations was performed on 4/6/06.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/31/2014  
Comments: Completed.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TITECH (Continued)**

**S105633049**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 03/29/2010  
Comments: Commercial building on site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 07/08/2008  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Voluntary Cleanup Agreement Completion  
Completed Date: 08/04/2006  
Comments: VCA was completed and an NFA was issued for the site soil. A Land Use Covenant is in place to restrict the property to commercial/industrial use.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification  
Completed Date: 08/04/2006  
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: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: 5 Year Review Reports  
Schedule Due Date: 12/14/2016  
Schedule Revised Date: Not reported

**DEED:**

Envirostor ID: 19340790  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: VOLUNTARY CLEANUP  
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 07/28/2006

**CHMIRS:**

OES Incident Number: 2-1828  
OES notification: 04/02/2002  
OES Date: Not reported  
OES Time: Not reported  
**Date Completed: Not reported**  
Property Use: Not reported  
Agency Id Number: Not reported  
Agency Incident Number: Not reported  
Time Notified: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TITECH (Continued)

S105633049

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Los Angeles Co. DPW
Incident Date:	4/2/200212:00:00 AM
Admin Agency:	Pomona Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Hydrofluoric Acid
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A titanium alloy production company has released

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TITECH (Continued)

S105633049

the material, unknown cause. No company employees are currently on scene. Employees from surrounding businesses have complained of the smell, so the caller is investigating that report.  
Not reported

OES Incident Number:	112
OES notification:	Not reported
OES Date:	11/8/1994
OES Time:	03:57:28 PM
<b>Date Completed:</b>	<b>Not reported</b>
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	imi/ county health
Containment:	Not reported
What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	imi titanium
Incident Date:	1445/08nov94
Admin Agency:	Not reported
Amount:	approx 100 gals
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	sodium hydroxide 25%
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TITECH (Continued)**

**S105633049**

Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	shell material built up in caustic tank causing pressure relief valve to open ,spill went to concrete pad

**45**  
**WSW**  
**1/2-1**  
**0.741 mi.**  
**3913 ft.**

**WESTHOFF ELEMENTARY SCHOOL**  
**1323 COUNTRY HOLLOW DRIVE**  
**WALNUT, CA 91789**

**ENVIROSTOR** **S107737607**  
**SCH** **N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**779 ft.**

**ENVIROSTOR:**

Facility ID:	19010024
Status:	Inactive - Withdrawn
Status Date:	08/24/2001
Site Code:	304331
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	55
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.04038
Longitude:	-117.8603
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	WALNUT VALLEY UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	WALNUT VALLEY USD-WESTHOFF ELEM EXP
Alias Type:	Alternate Name
Alias Name:	WESTHOFF ELEMENTARY SCHOOL (EXPANSION)
Alias Type:	Alternate Name
Alias Name:	304331
Alias Type:	Project Code (Site Code)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WESTHOFF ELEMENTARY SCHOOL (Continued)**

**S107737607**

Alias Name: 19010024  
Alias Type: Envirostor ID Number  
Completed Info:  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 10/31/2001  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Facility ID: 19010024  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 0  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Not reported  
Supervisor: Javier Hinojosa  
Division Branch: Southern California Schools & Brownfields Outreach  
Site Code: 304331  
Assembly: 55  
Senate: 29  
Special Program Status: Not reported  
Status: Inactive - Withdrawn  
Status Date: 08/24/2001  
Restricted Use: NO  
Funding: School District  
Latitude: 34.04038  
Longitude: -117.8603  
APN: NONE SPECIFIED  
Past Use: AGRICULTURAL - ROW CROPS  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: WALNUT VALLEY UNIFIED SCHOOL DISTRICT  
Alias Type: Alternate Name  
Alias Name: WALNUT VALLEY USD-WESTHOFF ELEM EXP  
Alias Type: Alternate Name  
Alias Name: WESTHOFF ELEMENTARY SCHOOL (EXPANSION)  
Alias Type: Alternate Name  
Alias Name: 304331  
Alias Type: Project Code (Site Code)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WESTHOFF ELEMENTARY SCHOOL (Continued)**

**S107737607**

Alias Name: 19010024  
Alias Type: Envirostor ID Number  
Completed Info:  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 10/31/2001  
Comments: Not reported  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

46  
SE  
1/2-1  
0.763 mi.  
4028 ft.

**CONSOLIDATED PRECISION PRODUCTS CORP**  
**4200 W VALLEY BLVD**  
**POMONA, CA 91766**

**ENVIROSTOR 1000201834**  
**TRIS 91766TLDYN4200W**  
**ICIS**  
**US AIRS**  
**EMI**  
**LOS ANGELES CO. HMS**  
**HWP**  
**NPDES**  
**WDS**  
**WIP**

**Relative:**  
**Lower**

**Actual:**  
**636 ft.**

ENVIROSTOR:  
Facility ID: 80001677  
Status: Inactive - Needs Evaluation  
Status Date: 08/29/2014  
Site Code: Not reported  
Site Type: Corrective Action  
Site Type Detailed: Corrective Action  
Acres: 19  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: WM  
Program Manager: Not reported  
Supervisor: Eileen Mananian  
Division Branch: Cleanup Cypress  
Assembly: 52  
Senate: 20  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.06152  
Longitude: -117.7875  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Alias Name: CAD076243815  
Alias Type: EPA Identification Number  
Alias Name: 110000478313  
Alias Type: EPA (FRS #)  
Alias Name: 80001677  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/05/1991  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Other Instrument  
Completed Date: 11/01/1990  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RCRA Facility Assessment Report  
Completed Date: 11/01/1990  
Comments: RFA CComplete

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 06/28/1990  
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

Facility ID: 71002577  
Status: Refer: Other Agency  
Status Date: 11/18/2014  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: 19  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Eileen Mananian  
Division Branch: Cleanup Chatsworth  
Assembly: 52  
Senate: 20  
Special Program: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.03665  
Longitude: -117.8245  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAD076243815  
Alias Type: EPA Identification Number  
Alias Name: 110000478313  
Alias Type: EPA (FRS #)  
Alias Name: 71002577  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/05/1991  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase I Verification  
Completed Date: 05/07/1998  
Comments: Inspection report sent on 5/7/1998

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase I Verification  
Completed Date: 08/01/2000  
Comments: Cypress Project

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

TRIS:

[Click this hyperlink](#) while viewing on your computer to access  
3 additional US\_TRIS: record(s) in the EDR Site Report.

ICIS:

Enforcement Action ID: CASCAA200129651  
FRS ID: 110000478313  
Action Name: NOV P63704 RULE 1147(c)(14)(A)  
Facility Name: CAST PARTS, INC  
Facility Address: 4200 W VALLEY BLVD  
POMONA, CA 917660000



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Enforcement Action Type: Notice of Violation  
Facility County: LOS ANGELES  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: NOV  
Facility SIC Code: 3369  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.035306  
Longitude in Decimal Degrees: -117.824917  
Permit Type Desc: Not reported  
Program System Acronym: CASCA00006037C0335  
Facility NAICS Code: 331528  
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C033500053  
FRS ID: 110000478313  
Action Name: CONSOLIDATED FOUNDRIES-POMONA(TELEDYNE) 06037C033500053  
Facility Name: CAST PARTS, INC  
Facility Address: 4200 W VALLEY BLVD  
POMONA, CA 917660000

Enforcement Action Type: Administrative Order  
Facility County: LOS ANGELES  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: SCAAO  
Facility SIC Code: 3369  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.035306  
Longitude in Decimal Degrees: -117.824917  
Permit Type Desc: Not reported  
Program System Acronym: CASCA00006037C0335  
Facility NAICS Code: 331528  
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C033500052  
FRS ID: 110000478313  
Action Name: CONSOLIDATED FOUNDRIES-POMONA(TELEDYNE) 06037C033500052  
Facility Name: CAST PARTS, INC  
Facility Address: 4200 W VALLEY BLVD  
POMONA, CA 917660000

Enforcement Action Type: Notice of Violation  
Facility County: LOS ANGELES  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: NOV  
Facility SIC Code: 3369  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.035306  
Longitude in Decimal Degrees: -117.824917  
Permit Type Desc: Not reported  
Program System Acronym: CASCA00006037C0335  
Facility NAICS Code: 331528  
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C033500012  
FRS ID: 110000478313  
Action Name: CONSOLIDATED FOUNDRIES-POMONA(TELEDYNE) 06037C033500012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Facility Name: CAST PARTS, INC  
Facility Address: 4200 W VALLEY BLVD  
POMONA, CA 917660000  
Enforcement Action Type: Administrative Order  
Facility County: LOS ANGELES  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: SCAAO  
Facility SIC Code: 3369  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.035306  
Longitude in Decimal Degrees: -117.824917  
Permit Type Desc: Not reported  
Program System Acronym: CASCA00006037C0335  
Facility NAICS Code: 331528  
Tribal Land Code: Not reported  
  
Enforcement Action ID: CASCAA000006037C033500011  
FRS ID: 110000478313  
Action Name: CONSOLIDATED FOUNDRIES-POMONA(TELEDYNE) 06037C033500011  
Facility Name: CAST PARTS, INC  
Facility Address: 4200 W VALLEY BLVD  
POMONA, CA 917660000  
Enforcement Action Type: Notice of Violation  
Facility County: LOS ANGELES  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: NOV  
Facility SIC Code: 3369  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.035306  
Longitude in Decimal Degrees: -117.824917  
Permit Type Desc: Not reported  
Program System Acronym: CASCA00006037C0335  
Facility NAICS Code: 331528  
Tribal Land Code: Not reported

US AIRS (AFS):  
Envid: 1000201834  
Region Code: 09  
County Code: CA037  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
D and B Number: Not reported  
Facility Site Name: CONSOLIDATED FOUNDRIES-POMONA(TELEDYNE)  
Primary SIC Code: 3369  
NAICS Code: 331528  
Default Air Classification Code: MAJ  
Facility Type of Ownership Code: POF  
Air CMS Category Code: TVM  
HPV Status: Not reported  
  
US AIRS (AFS):  
Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: Not reported  
Activity Status Date: 2006-03-29 00:00:00  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: Not reported  
Activity Status Date: 2011-06-09 00:00:00  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2015-09-01 00:00:00  
Activity Status Date: 2015-10-06 15:45:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2016-08-10 00:00:00  
Activity Status Date: 2016-08-11 17:22:11  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2005-09-07 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2005-09-08 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-01-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-03-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-08-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-09-13 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-01-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-02-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-05-14 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-05-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Date: 2009-02-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2009-09-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2009-09-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-02-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-09-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-09-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-02-25 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-06-20 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-06-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-02-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-05-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-07-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-02-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-09-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-10-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2015-09-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-02-10 00:00:00
Activity Status Date:	2006-02-10 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-02-20 00:00:00
Activity Status Date:	2011-02-20 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-10-26 00:00:00
Activity Status Date:	2005-10-26 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Date: 2010-10-13 00:00:00  
Activity Status Date: 2010-10-13 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: Not reported  
Activity Status Date: 2015-10-07 13:58:38  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Notified

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: Not reported  
Activity Status Date: 2006-03-29 00:00:00  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: Not reported  
Activity Status Date: 2011-06-09 00:00:00  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-04-27 00:00:00  
Activity Status Date: 2015-10-06 15:47:45  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-02-19 00:00:00  
Activity Status Date: 2015-10-06 15:46:01  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-09-01 00:00:00  
Activity Status Date: 2015-10-06 15:45:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2016-08-10 00:00:00  
Activity Status Date: 2016-08-11 17:22:11  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2005-09-07 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2005-09-08 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2006-01-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2006-03-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2006-08-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2006-09-13 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2007-01-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2007-02-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2007-05-14 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2008-05-07 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-02-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Date: 2009-03-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-09-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-09-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-02-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-09-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-09-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-02-25 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-06-20 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-06-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-02-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-05-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-07-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-02-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-09-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-10-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring



Map ID  
Direction  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-09-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2016-02-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-02-10 00:00:00
Activity Status Date:	2006-02-10 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-02-20 00:00:00
Activity Status Date:	2011-02-20 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0335
Facility Registry ID:	110000478313
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Activity Date: 2005-10-26 00:00:00  
Activity Status Date: 2005-10-26 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-10-13 00:00:00  
Activity Status Date: 2010-10-13 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved

Region Code: 09  
Programmatic ID: AIR CASCA00006037C0335  
Facility Registry ID: 110000478313  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: Not reported  
Activity Status Date: 2015-09-30 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved

**EMI:**

Year: 1987  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
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: 35  
Reactive Organic Gases Tons/Yr: 28  
Carbon Monoxide Emissions Tons/Yr: 7  
NOX - Oxides of Nitrogen Tons/Yr: 8  
SOX - Oxides of Sulphur Tons/Yr: 4  
Particulate Matter Tons/Yr: 3  
Part. Matter 10 Micrometers and Smlr Tons/Yr:2

Year: 1990  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 27  
Reactive Organic Gases Tons/Yr: 17  
Carbon Monoxide Emissions Tons/Yr: 2  
NOX - Oxides of Nitrogen Tons/Yr: 4  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 2  
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 1995  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
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: 8  
Reactive Organic Gases Tons/Yr: 7  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 3  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 3  
Part. Matter 10 Micrometers and Smlr Tons/Yr:2

Year: 1996  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
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: 26  
Reactive Organic Gases Tons/Yr: 25  
Carbon Monoxide Emissions Tons/Yr: 2  
NOX - Oxides of Nitrogen Tons/Yr: 6  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 25  
Part. Matter 10 Micrometers and Smlr Tons/Yr:20

Year: 1997  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
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: 29  
Reactive Organic Gases Tons/Yr: 21  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 4  
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Particulate Matter Tons/Yr: 12  
Part. Matter 10 Micrometers and Smlr Tons/Yr:8

Year: 1998  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
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: 29  
Reactive Organic Gases Tons/Yr: 21  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 4  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 12  
Part. Matter 10 Micrometers and Smlr Tons/Yr:8

Year: 1999  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
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: 29  
Reactive Organic Gases Tons/Yr: 21  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 4  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 12  
Part. Matter 10 Micrometers and Smlr Tons/Yr:8

Year: 2000  
County Code: 19  
Air Basin: SC  
Facility ID: 15842  
Air District Name: SC  
SIC Code: 3369  
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: 29  
Reactive Organic Gases Tons/Yr: 21  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 4  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 12  
Part. Matter 10 Micrometers and Smlr Tons/Yr:8

Year: 2002  
County Code: 19  
Air Basin: SC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 13  
Reactive Organic Gases Tons/Yr: 9  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 5  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 3  
Part. Matter 10 Micrometers and Smlr Tons/Yr:3

Year: 2003  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 13  
Reactive Organic Gases Tons/Yr: 9  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 5  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 3  
Part. Matter 10 Micrometers and Smlr Tons/Yr:3

Year: 2004  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Y  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 12.6469  
Reactive Organic Gases Tons/Yr: 9.33  
Carbon Monoxide Emissions Tons/Yr: 1.412  
NOX - Oxides of Nitrogen Tons/Yr: 5.26  
SOX - Oxides of Sulphur Tons/Yr: 0.03357  
Particulate Matter Tons/Yr: 3.35440589  
Part. Matter 10 Micrometers and Smlr Tons/Yr:2.61

Year: 2005  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Total Organic Hydrocarbon Gases Tons/Yr: 6.745395  
Reactive Organic Gases Tons/Yr: 5.095143479  
Carbon Monoxide Emissions Tons/Yr: .818745  
NOX - Oxides of Nitrogen Tons/Yr: 3.04345  
SOX - Oxides of Sulphur Tons/Yr: .014035  
Particulate Matter Tons/Yr: .92224368  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 7731423624

Year: 2006  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
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: 10.19214485787327047  
Reactive Organic Gases Tons/Yr: 7.329  
Carbon Monoxide Emissions Tons/Yr: .984  
NOX - Oxides of Nitrogen Tons/Yr: 3.726  
SOX - Oxides of Sulphur Tons/Yr: .017  
Particulate Matter Tons/Yr: 1.41  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 1.165204

Year: 2007  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
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: 10.19214485787327047  
Reactive Organic Gases Tons/Yr: 7.329  
Carbon Monoxide Emissions Tons/Yr: .984  
NOX - Oxides of Nitrogen Tons/Yr: 3.726  
SOX - Oxides of Sulphur Tons/Yr: .017  
Particulate Matter Tons/Yr: 1.41  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 1.165204

Year: 2008  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3365  
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: 12.75238708956720897  
Reactive Organic Gases Tons/Yr: 8.33225  
Carbon Monoxide Emissions Tons/Yr: 1.07  
NOX - Oxides of Nitrogen Tons/Yr: 4.05  
SOX - Oxides of Sulphur Tons/Yr: .014662  
Particulate Matter Tons/Yr: 1.597929112946

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Part. Matter 10 Micrometers and Smlr Tons/Yr:1.296924209487035

Year: 2012  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3365  
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: 25.236162784  
Reactive Organic Gases Tons/Yr: 17.12845  
Carbon Monoxide Emissions Tons/Yr: 1.11049  
NOX - Oxides of Nitrogen Tons/Yr: 4.1978  
SOX - Oxides of Sulphur Tons/Yr: 0.01897  
Particulate Matter Tons/Yr: 1.48424  
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.22274644

Year: 2013  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
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: 23.102704882  
Reactive Organic Gases Tons/Yr: 18.02635  
Carbon Monoxide Emissions Tons/Yr: 1.16697  
NOX - Oxides of Nitrogen Tons/Yr: 4.53384  
SOX - Oxides of Sulphur Tons/Yr: 0.01994239  
Particulate Matter Tons/Yr: 1.8398  
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.52565224

Year: 2015  
County Code: 19  
Air Basin: SC  
Facility ID: 126536  
Air District Name: SC  
SIC Code: 3369  
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: 45.849704905  
Reactive Organic Gases Tons/Yr: 33.610984925  
Carbon Monoxide Emissions Tons/Yr: 1.0645535  
NOX - Oxides of Nitrogen Tons/Yr: 4.491973  
SOX - Oxides of Sulphur Tons/Yr: 0.01815606  
Particulate Matter Tons/Yr: 1.551197265  
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.3776041204

**LOS ANGELES CO. HMS:**

Region: LA  
Permit Category: Not reported  
Facility Id: 014834-015608

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Facility Type: Not reported  
Facility Status: Removed  
Area: 6K  
Permit Number: Not reported  
Permit Status: Not reported

**HWP:**

EPA Id: CAD076243815  
Cleanup Status: NON-OPERATING  
Latitude: 34.06152  
Longitude: -117.7875  
Facility Type: Historical - Non-Operating  
Facility Size: Not reported  
Team: Not reported  
Supervisor: Not reported  
Site Code: N/A  
Assembly District: 52  
Senate District: 20  
Public Information Officer: Not reported  
Public Information Officer: Not reported

**Activities:**

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: New Operating Permit - APPLICATION PART B RECEIVED  
Actual Date: 07/16/1990

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: New Operating Permit - CALL-IN LETTER ISSUED  
Actual Date: 01/28/1983

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED  
Actual Date: 07/15/1992

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED  
Actual Date: 01/26/1984

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: New Operating Permit - APPLICATION PART A RECEIVED  
Actual Date: 11/19/1980

**Closure:**

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: Closure - CLOSURE PLAN RECEIVED



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Actual Date: 07/15/1992

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: Closure - ISSUE CLOSURE VERIFICATION  
Actual Date: 07/18/1994

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION  
Actual Date: 07/18/1994

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: Closure - CLOSURE NOTICE RECEIVED  
Actual Date: 11/17/1993

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: Closure - CLOSURE PLAN APPROVED  
Actual Date: 01/21/1994

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Unit Names: Not reported  
Event Description: Closure - CLOSURE PLAN REQUESTED  
Actual Date: 11/23/1993

Alias:

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Alias Type: FRS  
Alias: 110000478313

EPA Id: CAD076243815  
Facility Type: Historical - Non-Operating  
Alias Type: Project Code (Site Code)  
Alias: N/A

**NPDES:**

Npdes Number: Not reported  
Facility Status: Not reported  
Agency Id: Not reported  
Region: 4  
Regulatory Measure Id: 191122  
Order No: Not reported  
Regulatory Measure Type: Industrial  
Place Id: Not reported  
WDID: 4 19I016314  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
RECEIVED DATE: 05/09/2008  
PROCESSED DATE: 01/16/2001  
STATUS CODE NAME: Active  
STATUS DATE: 01/16/2001  
PLACE SIZE: 12.4  
PLACE SIZE UNIT: Acres  
FACILITY CONTACT NAME: Alfonso Vega  
FACILITY CONTACT TITLE: Environmental Technician  
FACILITY CONTACT PHONE: 909-595-2252  
FACILITY CONTACT PHONE EXT: 2203  
FACILITY CONTACT EMAIL: alfonso.vega@cppcorp.com  
OPERATOR NAME: Cast Parts Inc  
OPERATOR ADDRESS: PO Box 2348  
OPERATOR CITY: Pomona  
OPERATOR STATE: California  
OPERATOR ZIP: 91769  
OPERATOR CONTACT NAME: Alfonso Vega  
OPERATOR CONTACT TITLE: Not reported  
OPERATOR CONTACT PHONE: 909-595-2252  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: alfonso.vega@cppcorp.com  
OPERATOR TYPE: Private Business  
DEVELOPER NAME: Not reported  
DEVELOPER ADDRESS: Not reported  
DEVELOPER CITY: Not reported  
DEVELOPER STATE: California  
DEVELOPER ZIP: Not reported  
DEVELOPER CONTACT NAME: Not reported  
DEVELOPER CONTACT TITLE: Not reported  
CONSTYPE LINEAR UTILITY IND: Not reported  
EMERGENCY PHONE NO: Not reported  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: Not reported  
CONSTYPE BELOW GROUND IND: Not reported  
CONSTYPE CABLE LINE IND: Not reported  
CONSTYPE COMM LINE IND: Not reported  
CONSTYPE COMMERCIAL IND: Not reported  
CONSTYPE ELECTRICAL LINE IND: Not reported  
CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESCRIPTION: Not reported  
CONSTYPE OTHER IND: Not reported  
CONSTYPE RECONS IND: Not reported  
CONSTYPE RESIDENTIAL IND: Not reported  
CONSTYPE TRANSPORT IND: Not reported  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: Not reported  
CONSTYPE WATER SEWER IND: Not reported  
DIR DISCHARGE USWATER IND: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

RECEIVING WATER NAME:	San Jose Creek
CERTIFIER NAME:	Jesus Diaz
CERTIFIER TITLE:	Director of Facilities
CERTIFICATION DATE:	22-MAY-17
PRIMARY SIC:	3365-Aluminum Foundries
SECONDARY SIC:	3369-Nonferrous Foundries, Except Aluminum and Copper
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	191122
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I016314
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Cast Parts Inc
Discharge Address:	PO Box 2348
Discharge City:	Pomona
Discharge State:	California
Discharge Zip:	91769
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

EMERGENCY PHONE NO: Not reported  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: Not reported  
CONSTYPE BELOW GROUND IND: Not reported  
CONSTYPE CABLE LINE IND: Not reported  
CONSTYPE COMM LINE IND: Not reported  
CONSTYPE COMMERTIAL IND: Not reported  
CONSTYPE ELECTRICAL LINE IND: Not reported  
CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESRIPTION: Not reported  
CONSTYPE OTHER IND: Not reported  
CONSTYPE RECONS IND: Not reported  
CONSTYPE RESIDENTIAL IND: Not reported  
CONSTYPE TRANSPORT IND: Not reported  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: Not reported  
CONSTYPE WATER SEWER IND: Not reported  
DIR DISCHARGE USWATER IND: Not reported  
RECEIVING WATER NAME: Not reported  
CERTIFIER NAME: Not reported  
CERTIFIER TITLE: Not reported  
CERTIFICATION DATE: Not reported  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

**WDS:**

Facility ID: 4 19I016314  
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board  
Subregion: 4  
Facility Telephone: 9095952252  
Facility Contact: SOE AUNG  
Agency Name: CAST PARTS INC  
Agency Address: PO Box 2348  
Agency City,St,Zip: Pomona 917692348  
Agency Contact: STEVE CLODFELTER  
Agency Telephone: 9095952252  
Agency Type: Private  
SIC Code: 0  
SIC Code 2: Not reported  
Primary Waste Type: Not reported  
Primary Waste: Not reported  
Waste Type2: Not reported  
Waste2: Not reported  
Primary Waste Type: Not reported  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSOLIDATED PRECISION PRODUCTS CORP (Continued)**

**1000201834**

Design Flow: 0  
 Baseline Flow: 0  
 Reclamation: Not reported  
 POTW: Not reported  
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.  
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who 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.

WIP:

Region: 4  
 File Number: 101.0350  
**File Status: Backlog**  
 Staff: DIMAM  
 Facility Suite: Not reported

47  
 ESE  
 1/2-1  
 0.790 mi.  
 4172 ft.

**IMI TITECH TITANIUM INC.**  
**4000 W. VALLEY BLVD.**  
**POMONA, CA 91769**

**ENVIROSTOR** **S100946690**  
**SLIC** **N/A**  
**WIP**

**Relative:**  
**Lower**

ENVIROSTOR:

**Actual:**  
**670 ft.**

Facility ID: 71003095  
 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: 52  
 Senate: 20  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 34.03991  
 Longitude: -117.8211  
 APN: NONE SPECIFIED  
 Past Use: NONE SPECIFIED  
 Potential COC: NONE SPECIFIED  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NONE SPECIFIED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IMI TITECH TITANIUM INC. (Continued)**

**S100946690**

Alias Name: CAD982504417  
Alias Type: EPA Identification Number  
Alias Name: 71003095  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

SLIC:

Region: STATE  
**Facility Status:** **Completed - Case Closed**  
Status Date: 04/05/1999  
Global Id: SL603798677  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.040804  
Longitude: -117.819228  
Case Type: Cleanup Program Site  
Case Worker: GJH  
Local Agency: Not reported  
RB Case Number: 105.0351  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: No Further Requirements Letter was issued on April 5, 1999.

Click here to access the California GeoTracker records for this facility:

WIP:

Region: 4  
File Number: 105.0351  
**File Status:** **Active**  
Staff: DORIOLA  
Facility Suite: Not reported

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
INDUSTRY	S107530513		2001 WALNUT DR	91789	CDL

# 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	Source: EPA
Date Data Arrived at EDR: 06/08/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 99	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 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 98	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 98	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	Source: EPA
Date Data Arrived at EDR: 07/21/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/20/2017
Number of Days to Update: 77	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	Source: EPA
Date Data Arrived at EDR: 07/28/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/20/2017
Number of Days to Update: 70	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
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 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
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

# 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
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

## 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: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
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 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	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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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

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 - 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 identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

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 inactive 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**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: see region list
Date Made Active in Reports: 08/22/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/25/2017
	Data Release Frequency: Quarterly

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2003  
Date Data Arrived at EDR: 09/10/2003  
Date Made Active in Reports: 10/07/2003  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6710  
Last EDR Contact: 09/06/2011  
Next Scheduled EDR Contact: 12/19/2011  
Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003  
Date Data Arrived at EDR: 05/19/2003  
Date Made Active in Reports: 06/02/2003  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## 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  
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 6  
Telephone: 214-665-6597  
Last EDR Contact: 07/27/2017  
Next Scheduled EDR Contact: 11/08/2017  
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  
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: 07/27/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6271
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3372
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	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	Source: EPA Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	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	Source: EPA, Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-7439
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

## SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
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: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

## **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  
Date Data Arrived at EDR: 06/14/2017  
Date Made Active in Reports: 08/23/2017  
Number of Days to Update: 70

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 09/12/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 09/25/2017
Number of Days to Update: 69	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 Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017	Source: EPA Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-6136
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017	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: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 07/27/2017	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 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: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	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	Source: EPA, Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	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	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

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal Brownfields sites***

### **BROWNFIELDS: Considered Brownfields 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 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 that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 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 Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 08/29/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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  
Date Data Arrived at EDR: 08/18/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 34

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 10/10/2017  
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  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 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: 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Database

A listing of underground storage tank locations 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 Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## 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: 07/26/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: DTSC and SWRCB
Date Data Arrived at EDR: 06/06/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/10/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 65	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: 07/26/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 11/08/2017
	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: 06/12/2017	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/18/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 65	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/22/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/25/2017
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
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

### 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	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 08/25/2017
Number of Days to Update: 97	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/13/2017
Number of Days to Update: 62	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/11/2017
Number of Days to Update: 339	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/28/2017  
Next Scheduled EDR Contact: 11/08/2017  
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  
Date Data Arrived at EDR: 10/12/2017  
Date Made Active in Reports: 10/20/2017  
Number of Days to Update: 8

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/08/2017  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/08/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/13/2017
Number of Days to Update: 126	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/11/2017
Number of Days to Update: 79	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/16/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/03/2017
Number of Days to Update: 76	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
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: 07/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/08/2017
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/05/2017	Telephone: 202-343-9775
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 8	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.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, 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 Transportation, 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

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 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

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/11/2017  
Next Scheduled EDR Contact: 01/22/2018  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 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

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 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 Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005      Source: USGS  
Date Data Arrived at EDR: 02/29/2008      Telephone: 703-648-7709  
Date Made Active in Reports: 04/18/2008      Last EDR Contact: 09/01/2017  
Number of Days to Update: 49      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      Source: USGS  
Date Data Arrived at EDR: 06/08/2011      Telephone: 703-648-7709  
Date Made Active in Reports: 09/13/2011      Last EDR Contact: 09/01/2017  
Number of Days to Update: 97      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      Source: Department of Interior  
Date Data Arrived at EDR: 09/26/2017      Telephone: 202-208-2609  
Date Made Active in Reports: 10/20/2017      Last EDR Contact: 09/25/2017  
Number of Days to Update: 24      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

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016      Source: Environmental Protection Agency  
Date Data Arrived at EDR: 06/03/2016      Telephone: 202-564-0527  
Date Made Active in Reports: 09/02/2016      Last EDR Contact: 09/21/2017  
Number of Days to Update: 91      Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016      Source: Department of Defense  
Date Data Arrived at EDR: 06/02/2017      Telephone: 703-704-1564  
Date Made Active in Reports: 10/13/2017      Last EDR Contact: 10/16/2017  
Number of Days to Update: 133      Next Scheduled EDR Contact: 01/29/2018  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/06/2017	Telephone: 202-564-2280
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017	Source: EPA
Date Data Arrived at EDR: 08/17/2017	Telephone: 800-385-6164
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 29	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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/21/2017	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/21/2017	Telephone: 916-323-3400
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/01/2018
	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 laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/02/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/08/2017	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2017	Last EDR Contact: 08/08/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Annually

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015	Source: California Air Resources Board
Date Data Arrived at EDR: 03/21/2017	Telephone: 916-322-2990
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 09/22/2017
Number of Days to Update: 147	Next Scheduled EDR Contact: 01/01/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 05/01/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/03/2017	Telephone: 916-445-9379
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 104	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: 05/16/2017	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 05/19/2017	Telephone: 916-341-6066
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 88	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: 05/22/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/24/2017	Telephone: 877-786-9427
Date Made Active in Reports: 08/18/2017	Last EDR Contact: 08/22/2017
Number of Days to Update: 86	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/22/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/24/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/18/2017	Last EDR Contact: 08/22/2017
Number of Days to Update: 86	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	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 06/07/2017	Telephone: 916-445-4038
Date Made Active in Reports: 08/25/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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  
Date Data Arrived at EDR: 03/14/2017  
Date Made Active in Reports: 05/03/2017  
Number of Days to Update: 50

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 09/12/2017  
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  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 08/18/2017  
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  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/07/2017  
Date Data Arrived at EDR: 07/11/2017  
Date Made Active in Reports: 08/23/2017  
Number of Days to Update: 43

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 10/10/2017  
Next Scheduled EDR Contact: 04/24/2047  
Data 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/26/2017  
Date Data Arrived at EDR: 05/30/2017  
Date Made Active in Reports: 07/27/2017  
Number of Days to Update: 58

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: 07/27/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List CUPA facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2017  
Date Data Arrived at EDR: 06/20/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 50

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:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 09/18/2017  
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  
Date Data Arrived at EDR: 10/12/2017  
Date Made Active in Reports: 10/17/2017  
Number of Days to Update: 5

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 10/10/2017  
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  
Date Data Arrived at EDR: 07/18/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 65

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 10/17/2017  
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  
Date Data Arrived at EDR: 04/21/2017  
Date Made Active in Reports: 10/09/2017  
Number of Days to Update: 171

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 10/16/2017  
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  
Date Data Arrived at EDR: 04/06/2016  
Date Made Active in Reports: 06/13/2016  
Number of Days to Update: 68

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 10/17/2017  
Next Scheduled EDR Contact: 01/29/2018  
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  
Date Data Arrived at EDR: 04/19/2017  
Date Made Active in Reports: 05/10/2017  
Number of Days to Update: 21

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 10/16/2017  
Next Scheduled EDR Contact: 01/29/2018  
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  
Date Data Arrived at EDR: 03/10/2017  
Date Made Active in Reports: 05/03/2017  
Number of Days to Update: 54

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 10/23/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/21/2017  
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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/31/2017  
Date Data Arrived at EDR: 06/01/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 85

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: 07/27/2017  
Next Scheduled EDR Contact: 11/13/2017  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/07/2017	Source: Health Care Agency
Date Data Arrived at EDR: 08/09/2017	Telephone: 714-834-3446
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 08/09/2017
Number of Days to Update: 43	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	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 06/06/2017	Telephone: 530-745-2363
Date Made Active in Reports: 08/22/2017	Last EDR Contact: 08/31/2017
Number of Days to Update: 77	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	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 07/05/2017	Telephone: 530-283-6355
Date Made Active in Reports: 08/09/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 35	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	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/14/2017	Telephone: 951-358-5055
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 09/18/2017
Number of Days to Update: 69	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	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/14/2017	Telephone: 951-358-5055
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 09/18/2017
Number of Days to Update: 69	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 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  
Date Data Arrived at EDR: 06/01/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 85

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 08/07/2017  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 08/07/2017  
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  
Date Data Arrived at EDR: 05/08/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 109

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 08/21/2017  
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: 06/05/2017  
Date Data Arrived at EDR: 06/16/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 54

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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/22/2017  
Number of Days to Update: 64

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: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 08/18/2017  
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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/04/2017  
Date Data Arrived at EDR: 05/08/2017  
Date Made Active in Reports: 07/27/2017  
Number of Days to Update: 80

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: 80

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## 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

## STANISLAUS COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 05/10/2017  
Date Data Arrived at EDR: 05/16/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 85

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 10/16/2017  
Next Scheduled EDR Contact: 01/29/2018  
Data Release Frequency: Varies

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter 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

## TEHAMA COUNTY:

### CUPA 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

## TRINITY 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: 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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 04/27/2017  
Date Data Arrived at EDR: 04/27/2017  
Date Made Active in Reports: 08/10/2017  
Number of Days to Update: 105

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  
Date Data Arrived at EDR: 08/03/2017  
Date Made Active in Reports: 10/16/2017  
Number of Days to Update: 74

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  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 09/27/2017  
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  
Date Data Arrived at EDR: 06/24/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 37

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 08/10/2017  
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  
Date Data Arrived at EDR: 08/03/2017  
Date Made Active in Reports: 10/17/2017  
Number of Days to Update: 75

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 10/23/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Environmental Health Division
Date Data Arrived at EDR: 09/12/2017	Telephone: 805-654-2813
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 9	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	Source: Yolo County Department of Health
Date Data Arrived at EDR: 07/05/2017	Telephone: 530-666-8646
Date Made Active in Reports: 08/25/2017	Last EDR Contact: 09/27/2017
Number of Days to Update: 51	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	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 08/03/2017	Telephone: 530-749-7523
Date Made Active in Reports: 10/16/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/13/2017
	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/11/2017	Telephone: N/A
Date Made Active in Reports: 07/27/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 107	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

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

## 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

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

## 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

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

## WI MANIFEST: Manifest Information

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  
Number of Days to Update: 92

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

MT. SAN ANTONIO COLLEGE PARKING & CIRCULATION MP  
1100 N. GRAND AVENUE  
WALNUT, CA 91789

### TARGET PROPERTY COORDINATES

Latitude (North):	34.045929 - 34° 2' 45.34"
Longitude (West):	117.841391 - 117° 50' 29.01"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	422338.4
UTM Y (Meters):	3767373.2
Elevation:	737 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	5619080 SAN DIMAS, 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:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

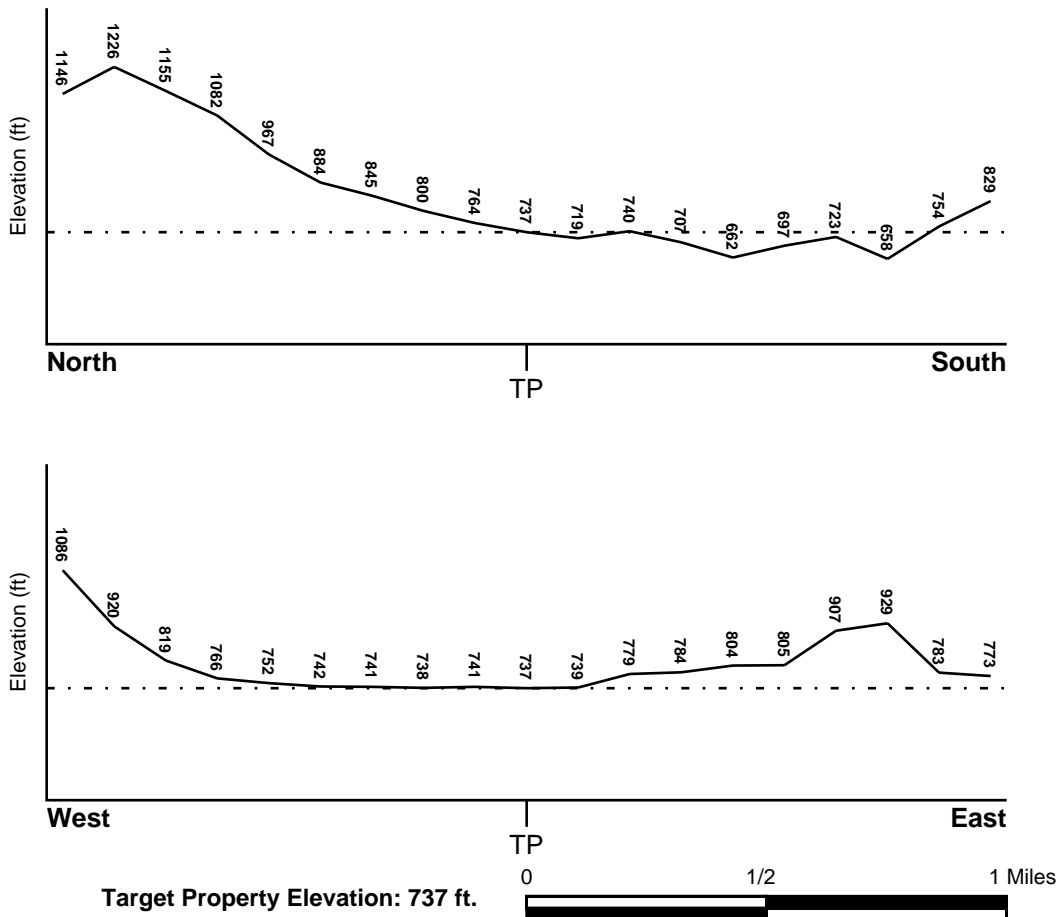
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1725F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
SAN DIMAS	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
Location Relative to TP:	1 - 2 Miles ESE
Site Name:	SPADRA LDFL
Site EPA ID Number:	CAD000607705
Groundwater Flow Direction:	SE FROM THE SITE, THEN SW, CONSISTENT WITH THE FLOW OF THE SAN JOSE CREEK, AND NE ALONG WALNUT CREEK BOULEVARD.
Measured Depth to Water:	not available.
Hydraulic Connection:	The site is underlain by approximately 30 feet of alluvial deposits. These deposits are underlain by the Miocene Puente marine bedrock formation.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

## **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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

Era: Cenozoic  
System: Tertiary  
Series: Miocene volcanic rocks  
Code: Tmv (*decoded above as Era, System & Series*)

### **GEOLOGIC AGE IDENTIFICATION**

Category: Volcanic Rocks

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.

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 8 inches

Depth to Bedrock Max: > 20 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.90
2	16 inches	20 inches	weathered bedrock	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: gravelly - loam  
clay  
sandy loam  
loam  
cobbly - loam  
unweathered bedrock

Surficial Soil Types: gravelly - loam  
clay  
sandy loam  
loam  
cobbly - loam  
unweathered bedrock

Shallow Soil Types: clay loam  
silty clay loam  
fine sandy loam  
gravelly - loam

Deeper Soil Types: loam  
unweathered bedrock  
stratified  
gravelly - sandy 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.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## **STATE DATABASE WELL INFORMATION**

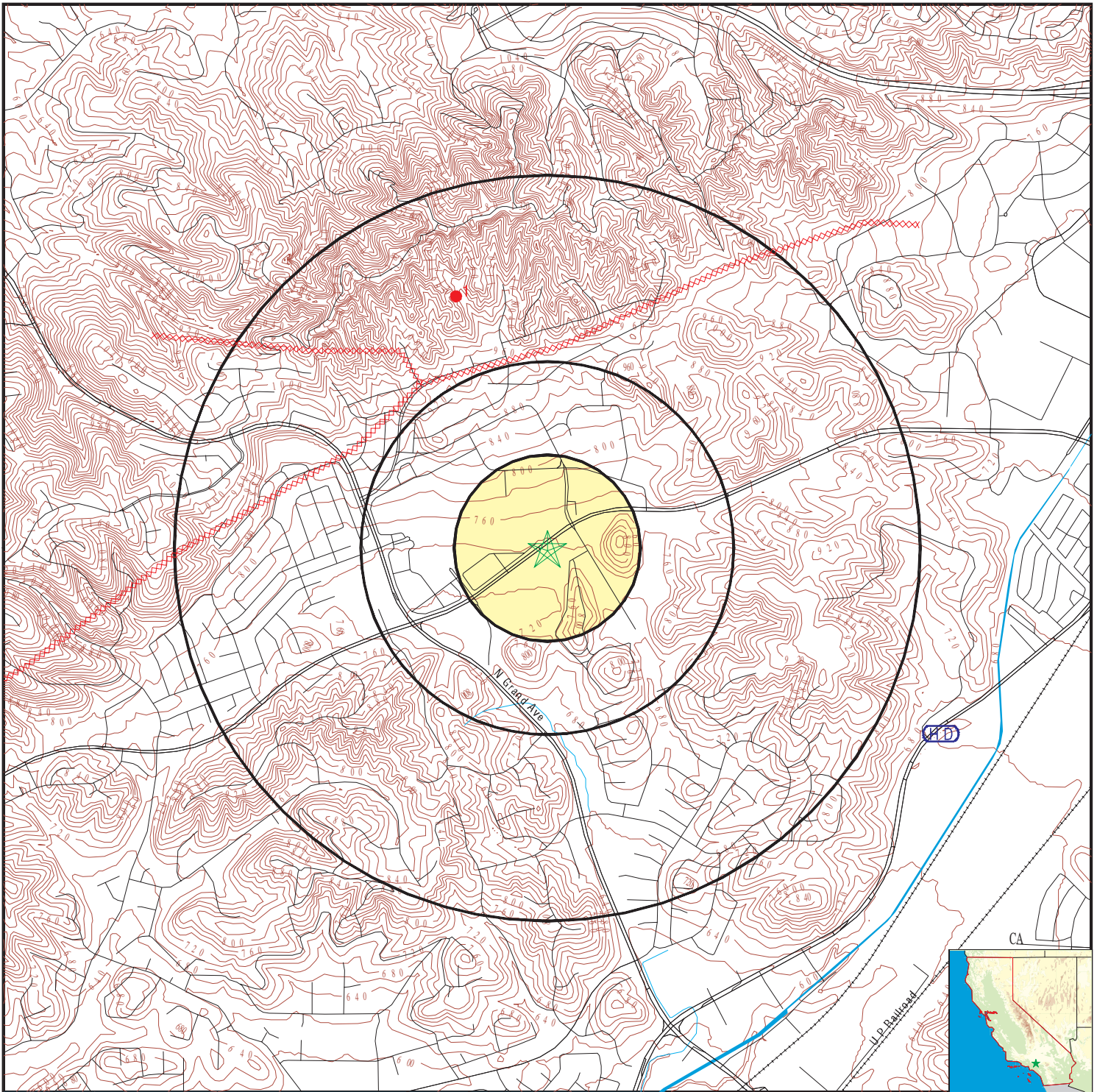
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## OTHER STATE DATABASE INFORMATION

### **STATE OIL/GAS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG11000204588	1/2 - 1 Mile NNW

# PHYSICAL SETTING SOURCE MAP - 5085390.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Mt. San Antonio College Parking & Circulation MP  
 ADDRESS: 1100 N. Grand Avenue  
 Walnut CA 91789  
 LAT/LONG: 34.045929 / 117.841391

CLIENT: Bonterra Psomas  
 CONTACT: Ashley Mccoy  
 INQUIRY #: 5085390.2s  
 DATE: October 24, 2017 3:50 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

1

**NNW**

1/2 - 1 Mile

OIL\_GAS

CAOG11000204588

District nun:	1	Api number:	03705307
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	29
Township:	01S	Range:	09W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bayly	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204588		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91789	20	0

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.

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### 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%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> 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 E**  
**NOISE AND VIBRATION ANALYSIS**

September 11, 2018

Gary Gidcumb  
Mt. San Antonio College  
Planning and Community Development Department  
1100 North Grand Avenue  
Walnut, California 91789-1399

VIA EMAIL  
GGidcumb@mtsac.edu

Subject: Noise and Vibration Analysis for the Proposed Mt. SAC Transit Center Project in the City of Walnut, California

Dear Mr. Gidcumb:

This Letter Report presents the results of the noise and vibration analysis for the proposed Mt. SAC Transit Center Project (hereinafter referred to as the “Project”). The proposed transit center will replace an existing surface parking lot and will have access from Temple Avenue via the existing driveway located approximately 560 feet west of Bonita Drive. This analysis addresses the potential noise and vibration impacts associated with the Project in accordance with the California Environmental Quality Act (CEQA; California *Public Resources Code* §21000 et seq.) and the State CEQA Guidelines (*California Code of Regulations*, Title 14, §15000 et seq.).

## PROJECT SETTING AND DESCRIPTION

Foothill Transit (FT) and Mt. San Antonio College (Mt. SAC) agreed to develop a new FT transit center on Mt. SAC property located on the north side of Temple Avenue just west of Bonita Drive. The new transit center will have ten bus bays and will serve as a terminal destination for Mt. SAC students using mass transit and will provide a transfer point for multiple FT routes and layover facilities for FT buses. The proposed transit center will replace an existing surface parking lot and will have access from Temple Avenue via the existing driveway located approximately 560 feet west of Bonita Drive. The access drive currently serves the parking area as well as the pool area. Additional project elements include minor expansion of an adjacent drive aisle, installation of bollards to restrict through traffic movement between the new transit center and Lot D, and installation of a traffic signal at the existing driveway at Temple Avenue. The project site is 1.8 acres in area.

Relevant elements of the proposed Project related to the analysis of potential noise impacts include (1) demolition of on-site pavement, which would require export of demolition debris estimated at 2,289 tons; (2) on-site grading activities, which are expected to result in over-excavation of 9,605 cubic yards (CY) of soils; (3) the vehicle trips associated with the proposed Project; (4) stationary source noise generated during the operations phase of the Project (e.g., mechanical equipment, landscape maintenance equipment); and (5) mobile source noise generated during operations due to the vehicle trips generated by the proposed Project. This Letter Report provides discussions of noise and vibration relative to the regulatory and environmental setting and the anticipated Project impacts and mitigation measures.

225 South Lake Avenue  
Suite 1000  
Pasadena, CA 91101

Tel 626.351.2000  
Fax 626.351.2030  
[www.Psomas.com](http://www.Psomas.com)

**NOISE AND VIBRATION BASICS AND TERMINOLOGY**

**Noise**

“Sound” is a vibratory disturbance created by a moving or vibrating source and is capable of being detected. “Noise” is defined as sound that is loud, unpleasant, unexpected, or undesired and may therefore be classified as a more specific group of sounds. The effects of noise on people can include general annoyance; interference with speech communication; sleep disturbance; and, in the extreme, hearing impairment (Caltrans 2013).

Sound pressure levels are described in a unit called the decibel (dB). Decibels are measured on a logarithmic scale. A doubling of the energy of a noise source (such as doubling of traffic volume) would increase the noise level by 3 dB. The human ear is not equally sensitive to all frequencies within the sound spectrum. To accommodate this phenomenon, the A-scale was devised; the A-weighted decibel scale (dBA) approximates the frequency response of the average healthy ear when listening to most ordinary everyday sounds and is used in this analysis.

Human perception of noise has no simple correlation with acoustical energy. Due to subjective thresholds of tolerance, the annoyance of a given noise source is perceived very differently from person to person. The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at 3 feet is approximately 60 dBA, while loud jet engine noises at 1,000 feet equate to 100 dBA, which can cause serious discomfort. Table 1 shows the relationship of various noise levels in dBA to commonly experienced noise events.

**TABLE 1  
 NOISE LEVELS FOR COMMON EVENTS**

<b>Common Outdoor Activities</b>	<b>Noise Level (dBA)</b>	<b>Common Indoor Activities</b>
	110	Rock Band
Jet fly-over at 300 m (1,000 ft)	100	
Gas lawn mower at 1 m (3 ft)	90	
Diesel truck at 15 m (50 ft) at 80 km/hr (50 mph)	80	Food blender at 1 m (3 ft); garbage disposal at 1 m (3 ft)
Noisy urban area, daytime gas lawn mower at 30 m (100 ft)	70	Vacuum cleaner at 3 m (10 ft)
Commercial area, heavy traffic at 90 m (300 ft)	60	Normal speech at 1 m (3 ft)
Quiet urban daytime	50	Large business office, dishwasher in next room
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	30	Library
Quiet rural nighttime	20	Bedroom at night, concert hall (background)
	10	Broadcast/recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing
dBA: A-weighted decibels; m: meter; ft: feet; km/hr: kilometers per hour; mph: miles per hour		
Source: Caltrans 2013		

Two noise sources do not “sound twice as loud” as one source. As stated above, a doubling of noise sources results in a noise level increase of 3 dBA. It is widely accepted that (1) the average healthy ear can barely perceive changes of a 3 dBA increase or decrease; (2) a change of 5 dBA is readily perceptible; and (3) an increase (decrease) of 10 dBA sounds twice (half) as loud (Caltrans 2013).

Gary Gidcumb  
September 11, 2018  
Page 3

From the source to the receiver, noise changes both in the level and frequency spectrum. The most obvious change is the decrease in noise level as the distance from the source increases. Sound from a small, localized source (approximating a “point” source) radiates uniformly outward as it travels away from the source in a spherical pattern. For point sources, such as heating, ventilation, and air conditioning (HVAC) units or construction equipment, the sound level attenuates (or drops off) at a rate of 6 dBA for each doubling of distance (i.e., if the noise level is 70 dBA at 25 feet, it is 64 dBA at 50 feet). Vehicle movement on a road makes the source of the sound appear to emanate from a line (line source) rather than a point when viewed over some time interval. The sound level attenuates or drops off at a rate of 3 dBA per doubling of distance for line sources.

A large object in the path between a noise source and a receiver can significantly attenuate noise levels at that receiver location. The amount of attenuation provided by this “shielding” depends on the size of the object and the frequencies of the noise levels. Natural terrain or landform features as well as man-made features (e.g., buildings and walls) can significantly alter noise exposure levels. For a noise barrier to work, it must be high enough and long enough to block the view from the receiver to a road or to the noise source. Effective noise barriers can reduce outdoor noise levels at the receptor by up to 15 dBA.

Several rating scales (or noise “metrics”) exist to analyze effects of noise on a community. These scales include the equivalent noise level ( $L_{eq}$ ), including  $L_{max}$  and  $L_{min}$ , which are, respectively, the highest and lowest A-weighted sound levels that occur during a noise event, and the Community Noise Equivalent Level (CNEL). Average noise levels over a period of minutes or hours are usually expressed as dBA  $L_{eq}$ , which is the equivalent noise level for that period of time. The period of time averaging may be specified; for example,  $L_{eq(3)}$  would be a three-hour average. Noise of short duration (i.e., substantially less than the averaging period) is averaged into ambient noise during the period of interest. Thus, a loud noise lasting many seconds or a few minutes may have minimal effect on the measured sound level averaged over a one-hour period.

To evaluate community noise impacts, CNEL was developed to account for human sensitivity to nighttime noise. CNEL represents the 24-hour average sound level with a penalty for noise occurring at night. The CNEL computation divides a 24-hour day into three periods: daytime (7:00 AM to 7:00 PM), evening (7:00 PM to 10:00 PM), and nighttime (10:00 PM to 7:00 AM). The evening sound levels are assigned a 5-dBA penalty, and the nighttime sound levels are assigned a 10-dBA penalty prior to averaging with daytime hourly sound levels.

### **Vibration**

Vibration is an oscillatory motion through a solid medium in which the motion’s amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities such as railroads or vibration-intensive stationary sources but can also be associated with construction equipment such as jackhammers, pile drivers, and hydraulic hammers. Vibration displacement is the distance that a point on a surface moves away from its original static position. The instantaneous speed that a point on a surface moves is described as the velocity, and the rate of change of the speed is described as the acceleration. Each of these descriptors can be used to correlate vibration to human response, building damage, and acceptable equipment vibration levels. During construction of a project, the operation of construction equipment can cause groundborne vibration. During the operational phase of a project, receptors may be subject to levels of vibration that can cause annoyance due to noise generated from vibration of a structure or items within a structure. Analysis of this type of vibration is best measured in velocity and acceleration.

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The three main wave types of concern in the propagation of groundborne vibrations are surface or Rayleigh waves, compression or P-waves, and shear or S-waves.

- Surface or Rayleigh waves travel along the ground surface. They carry most of their energy along an expanding cylindrical wave front, similar to the ripples produced by throwing a rock into a lake. The particle motion is more or less perpendicular to the direction of propagation (known as retrograde elliptical).
- Compression or P-waves are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal, in a push-pull motion. P-waves are analogous to airborne sound waves.
- Shear or S-waves are also body waves, carrying their energy along an expanding spherical wave front. Unlike P-waves, however, the particle motion is transverse, or perpendicular to the direction of propagation.

The peak particle velocity (ppv) or the root mean square (rms) velocity is usually used to describe vibration amplitudes. The ppv is defined as the maximum instantaneous peak of the vibration signal, and the rms is defined as the square root of the average of the squared amplitude of the signal. The ppv is more appropriate for evaluating potential building damage and is also used for evaluating human response.

The units for ppv are normally inches per second (in/sec). Often, vibration is presented and discussed in dB units in order to compress the range of numbers required to describe the vibration. In this study, all ppv levels are in inches per second (in/sec), and all vibration levels are in dB relative to one microinch per second. The threshold of perception is approximately 0.3 ppv. Typically, groundborne vibration generated by human activities attenuates rapidly with distance from the source of the vibration. Even the more persistent Rayleigh waves decrease relatively quickly as they move away from the source of the vibration. Man-made vibration problems are, therefore, usually confined to short distances (500 feet or less) from the source.

Construction generally includes a wide range of activities that can generate groundborne vibration. In general, blasting and demolition of structures generate the highest vibrations. Vibratory compactors or rollers, pile drivers, and pavement breakers can generate perceptible amounts of vibration at distances within 200 feet of the vibration sources. Heavy trucks can also generate groundborne vibrations which vary depending on vehicle type, weight, and pavement conditions. Potholes, pavement joints, discontinuities, differential settlement of pavement, and other anomalies all increase the vibration levels from vehicles passing over a road surface. Construction vibration is normally of greater concern than vibration of normal traffic on streets and freeways with smooth pavement conditions. Trains generate substantial quantities of vibration due to their engines, steel wheels, and heavy loads.

## **EXISTING CONDITIONS**

### **Noise Sources and Noise Levels**

The existing noise environment in the project area is influenced by traffic noise on nearby roads. The roadway contributing the most noise to the project site is Temple Avenue, located south of the project site. The speed limit on East Walnut Street near the site is 40 miles per hour (mph). For the purpose of this noise analysis, the study area includes the project site, the areas immediately adjacent to the project site, and the land uses adjacent to the roadway segments where the Project adds vehicular trips to the roadway system.

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### **Sensitive Receptors**

The State of California defines noise-sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions. Schools, libraries, churches, hospitals, and residential uses make up the majority of these areas. According to the Mt. SAC 2016 CEQA Thresholds of Significance, noise-sensitive receptors do not include on-campus uses; therefore, the noise-sensitive receptors closest to the project site include distant residential uses to the north, south, west, and east of the project site, as shown on Exhibit 1.

### **REGULATORY SETTING**

Public agencies have established noise guidelines and standards to protect citizens from potential hearing damage and various other adverse physiological and social effects associated with noise.

#### **State of California**

Title 24 of the *California Code of Regulations*, also known as the *California Building Standards Code*, establishes building standards applicable to all occupancies throughout the state. Section 1207.11.2 requires that residential structures other than detached single-family dwellings be designed to prevent the intrusion of exterior noise so that the interior noise attributable to exterior sources shall not exceed 45 dBA CNEL in any habitable room. Section 1207.12 states, “if interior allowable noise levels are met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air-conditioning system to provide a habitable interior requirement. The ventilation system must not compromise the dwelling unit or guest room noise reduction.”

#### **City of Walnut**

The City of Walnut has established guidelines and standards in the General Plan.

#### ***General Plan Noise Element***

The City of Walnut is affected by several different sources of noise, including automobile traffic, commercial activity, and periodic nuisances such as construction, loud parties, and other events. The Noise Element of the General Plan is intended to identify these sources and provide objectives and policies that ensure that noise from these sources does not create an unacceptable noise environment (Walnut 1978). The Noise Element contains guidelines for noise-compatible land use for long-term operations, as shown in Table 2.

The Noise Element of the General Plan acknowledges in its Objectives that noise-sensitive uses such as single- and multi-family residential land uses, as well as special land uses (hospitals, rest homes, long-term medical care, libraries, churches, schools, and outdoor recreational areas), should be quiet. Commercial and industrial land uses are allowed a greater level of noise exposure.

To achieve these Objectives, the City has adopted day and nighttime noise limits for each of these land uses. They are shown in Table 2.



**TABLE 2  
 CITY OF WALNUT NOISE LEVELS BY LAND USE**

<b>Zone</b>	<b>Day (Maximum) 7 a.m. – 10 p.m.</b>	<b>Night (Maximum) 10 p.m. – 7 a.m.</b>
Single Family Residential	60 dBA	45 dBA
Multifamily Residential	60 dBA	50 dBA
Commercial	65 dBA	55 dBA
Industrial	70 dBA	65 dBA
Source: City of Walnut General Plan Noise Element, 1978.		

**MT. SAC 2016 CEQA THRESHOLDS OF SIGNIFICANCE**

To the extent the following thresholds of significance are applicable to the project, they shall be applied to determine the project’s environmental impact.

<b>Environmental Topic in the CEQA Checklist</b>	<b>Impact</b>	<b>Mt. San Antonio Community College District Threshold of Significance</b>	<b>Agencies and Regulations</b>	<b>CEQA Procedures</b>
Noise	Traffic and construction-related noise	<p>Written evidence supporting the District’s noise thresholds is identified in Footnote 5.</p> <p>Traffic-generated net noise increase on public roadways equal or less than 3 dBA at 100 feet from centerline that result in noise levels at or below 65 CNEL in off-campus sensitive-noise-receptor areas (residential or hospitals), or at or below 70 CNEL for off-campus commercial areas, due to baseline versus buildout project net FMP trip increases are not a significant impact</p> <p>Cumulative projects traffic-generated noise impacts (existing + project baseline versus existing + project + cumulative) are not significant if the same noise criteria stated above is applied to sensitive receptors or commercial areas off-campus</p> <p>Site-specific construction projects lasting one year or less for site</p>	OPR’s General Plan Guidelines, Chapter 4: Required Elements (Noise Element);	<p>Case-by-case studies for unusually high noise issues (i.e., on-campus for permanent new equipment, or new special events with attendance above 8,000 weekdays except for summer intersessions;</p> <p>Whenever feasible, classrooms, campus housing, laboratories, auditoriums and libraries shall be located in areas where the existing noise environment is 65 CNEL or less. If not, special sound attenuation measures are required;</p> <p>Unless there are special circumstances (i.e., biological, special projects, etc.), no additional mitigation for construction noise beyond that included in the latest approved FMP MMP (e.g. MM-5a) for new construction or renovation;</p> <p>If applicable, prepare a site-specific ground-borne vibration study to ascertain potential</p>

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
		<p>preparation, demolition, grading and shell building construction located within 1,500 feet or less from a sensitive off-site land use have a significant construction noise impact if construction occurs outside of permitted construction hours.</p> <p>Construction hours are defined in MM-5a in the latest approved FMP MMP, as 7 AM to 7 PM, Monday through Saturday, excluding federal holidays, except for emergencies;</p> <p>A significant construction equipment vibration occurs for a site-specific project is a PPV of 0.04 inches/second or more occurs off-site in a sensitive receptor area for more than fifteen (15) minutes in any one hour. See Report 15-116;</p> <p>Site-specific projects that generate operational noise as measured at a residential property line greater than 55 dBA <math>L_{eq}</math> during the day from 7 am to 10 pm and 50 dBA <math>L_{eq}</math> during the night from 10 pm to 7 am have a significant noise impact.</p> <p>The maximum operational noise level shall not exceed 75 dBA <math>L_{max}</math> during the day or 70 dBA <math>L_{max}</math> during the night, nor should they exceed 55 dBA <math>L_{eq}</math> from 7 am to 10 pm and 50 dBA <math>L_{eq}</math> from 10 pm to 7 am. If the ambient noise levels are higher than the stated <math>L_{eq}</math> or <math>L_{max}</math> criteria, the <math>L_{eq}</math> and <math>L_{max}</math> criteria levels are increased to the ambient noise level. Noise levels</p>		<p>building damage if rough grading occurs within 50 feet of off-site buildings in sensitive receptor areas;</p> <p>MM-5a: All construction activities, except in emergencies or unusual circumstances, shall be limited to the hours of 7 am to 7 pm Monday-Saturday, excluding federal holidays. Staging areas for construction shall be located away from existing off-site residences. All construction equipment shall use properly operating mufflers. These requirements shall be included in construction contracts and implemented. Facilities Planning &amp; Management shall monitor compliance. (Revised from 2012 FMP MMP)</p>

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
		<p>below the stated criteria are not significant;</p> <p>Site-specific construction projects lasting more than one year, with site preparation, demolition, grading, and shell building construction, located within 1,500 feet or less from a sensitive off-site land use have a significant construction noise impact if:</p> <p>(1) Construction occurs outside of permitted construction hours.</p> <p>(Construction hours are defined in MM-5a in the MMP) and;</p> <p>(2) <math>L_{max}</math> noise levels from 7 am to 7 pm are less than 90 dBA and less than 65 dBA <math>L_{eq}</math> at any off-site sensitive receptor property line and;</p> <p>(3) from 7 pm to 7 am, the <math>L_{max}</math> is less than 75 dBA and less than 55 dBA <math>L_{eq}</math> off-site at any off-site sensitive property line;                      See Report 15-116</p> <p>On-campus generated site-specific operational noise shall not exceed 55 dBA <math>L_{eq}</math> during the day from 7 am to 10 pm and 50 dBA <math>L_{eq}</math> during the night from 10 pm to 7 am. (The noise level criterion is applied to the closest property line of the off-campus noise sensitive receptor);</p> <p>A site-specific project shall also not exceed 75 dBA <math>L_{max}</math> during the day or 70 dBA <math>L_{max}</math> during the night from 10 pm to 7 am at any noise sensitive land use. (If the ambient noise levels are higher than the noise criteria, the standard should be</p>		

Environmental Topic in the CEQA Checklist	Impact	Mt. San Antonio Community College District Threshold of Significance	Agencies and Regulations	CEQA Procedures
		increased to the ambient noise level. See Report 15-116) <sup>5</sup> .		
CNEL: Community Noise Equivalent Level; dBA: A-weighted decibel FMP: Facilities Master Plan; L <sub>eq</sub> : Equivalent Sound Level; L <sub>max</sub> : Maximum Sound Level; MM: Mitigation Measure; MMP: Mitigation Monitoring Program; OPR: California Office of Planning and Research; PPV: peak particle velocity				

**NOISE IMPACT ANALYSIS**

The following questions correspond to the questions in the Noise section of the Initial Study Checklist in Appendix G of the State CEQA Guidelines.

**Question NOI-1**      **Would the Project result in exposure of persons to, or generation of, noise levels in excess of standards established in the local general plan, local noise ordinance, or applicable standards of other agencies?**

**Noise and Land Use Compatibility**

**Less than Significant Impact.** Mt. SAC has established its own CEQA thresholds of significance for noise, allowing for construction activities between the hours of 7:00 am and 7:00 pm, Monday through Saturday. All construction activities would conform to Mt. SAC standards.

**Construction Noise**

**Less than Significant Impact.** The development of the proposed Project would entail construction activities which include noise generated from demolition, grading/excavation, and building construction activities. The assumptions are listed below:

- Demolition of the existing asphalt is anticipated to take one month. Demolition activities would generate approximately 14 round trips per day for export of demolition material.
- Site preparation would occur for approximately one month and would generate approximately 450 hauling trips.
- Mass grading activities would occur for one-and-a-half months and would not generate hauling trips.
- Building construction would take approximately ten months and would not generate hauling trips for construction debris over the duration of the phase.
- Paving is expected to take approximately one month.
- Architectural coating would take approximately one month.

Construction activities are carried out in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise levels surrounding the construction site as work progresses. Construction noise levels reported in the U.S. Environmental Protection Agency’s (USEPA’s) *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances* were used to estimate future construction

noise levels for the Project (USEPA 1971). Typically, the estimated construction noise levels are governed primarily by equipment that produces the highest noise levels. Construction noise levels for each generalized construction phase (ground clearing/demolition, excavation, foundation construction, building construction, paving, and site cleanup) are based on a typical construction equipment mix for an industrial project and do not include use of atypical, very loud, and vibration-intensive equipment (e.g., pile drivers).

The degree to which noise-sensitive receptors are affected by construction activities depends heavily on their proximity. Estimated noise levels attributable to the development of the proposed Project are shown in Table 3, Construction Noise Levels at Noise-Sensitive Uses, and calculations are included in Attachment B, Noise Calculations.

**TABLE 3  
 CONSTRUCTION NOISE LEVELS AT NOISE-SENSITIVE USES**

Construction Phase	Noise Levels (L <sub>eq</sub> dBA)			
	Residents to the North of the Project Site	Residents to the West of the Project Site	Residents to the South of the Project Site	Residents to the East of the Project Site
	(dBA@1,520 ft)	(dBA@2,280 ft)	(dBA@2,474 ft)	(dBA@6,677 ft)
Ground Clearing/Demolition	53	50	49	40
Excavation (Site Preparation)	41	38	37	28
Foundation Construction	47	44	43	34
Building Construction	42	39	38	29
Paving	44	41	40	31

L<sub>eq</sub> dBA: Average noise energy level; Max: maximum; avg: average; ft: feet  
 Note: Noise levels from construction activities do not take into account attenuation provided by intervening structures.  
 Source: USEPA 1971.

Table 3 shows the noise levels for construction equipment. Noise levels from general Project-related construction activities would range from 28 to 53 dBA L<sub>eq</sub>. Noise level reductions from intervening structures were not included. The noise levels provided by the USEPA’s *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances* indicates that noise levels from construction equipment would be comparable or less than ambient noise levels at off-site noise sensitive uses. No extremely noisy equipment, such as pile drivers, would be used for the Project.

Noise from construction activities on site may not be clearly audible above the existing ambient noise environment and would occur during the least noise-sensitive portions of the day. Noise levels from construction equipment would also not involve pile drivers or other equipment that generates an extreme level of noise or would be limited to the least noise-sensitive portions of the day. Furthermore, construction noise will be temporary and intermittent and will primarily take place at large distances from the nearby residents. Consequently, noise associated with Project-related construction would not result in significant impacts; and no mitigation is required.

**On-Site Sources**

**Less than Significant Impact.** Operational noise sources associated with the proposed Project would include, but are not limited to, landscape maintenance equipment, parking activities, and bus/automobile travel within the Project site. Compliance with Mt. SAC’s established thresholds and the large distance

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(+1,500 feet) between the project site and the nearest off-site uses would minimize these impacts to less than significant levels, and no mitigation is required.

As for vehicle traffic, buses will follow their designated bus routes with the exception of turning into the project site for a bus stop. Noise associated with travel and loading/unloading activities for passengers at the project site would not result in an audible noise level increase at the nearest off-site uses due to the large distance (+1,500 feet) between the project site and the nearest off-site uses. As such, the impact on traffic noise levels would be less than significant, and no mitigation is required.

**Question NOI-2 Would the Project result in exposure of persons to, or generation of, excessive groundborne vibration or groundborne noise levels?**

**Less than Significant Impact.** The proposed Project would not generate or expose persons or structures to excessive groundborne vibration from the construction phase.

Pile driving and blasting are generally the sources of the most severe vibration during construction. Neither pile driving nor blasting would be used during Project construction. Conventional construction equipment would be used for demolition and grading activities. Table 4 summarizes typical vibration levels measured during construction activities for various vibration-inducing pieces of equipment.

**TABLE 4  
 VIBRATION LEVELS FOR CONSTRUCTION EQUIPMENT**

Equipment		ppv at 25 ft (in/sec)
Pile driver (impact)	upper range	1.518
	typical	0.644
Pile driver (sonic)	upper range	0.734
	typical	0.170
Vibratory roller		0.210
Large bulldozer		0.089
Caisson drilling		0.089
Loaded trucks		0.076
Jackhammer		0.035
Small bulldozer		0.003
ppv: peak particle velocity; ft: feet; in/sec: inches per second		
Source: Caltrans 2013; FTA 2006		

Table 5, Vibration Annoyance Criteria at Sensitive Uses, shows the vibration annoyance criteria from construction-generated vibration activities proposed at the project site. Table 5 shows the ppv relative to uses proximate to the project site.

**TABLE 5  
 VIBRATION ANNOYANCE CRITERIA AT SENSITIVE USES**

Equipment	Vibration Levels (ppv)			
	Residents to the North of the Project Site	Residents to the West of the Project Site	Residents to the South of the Project Site	Residents to the East of the Project Site
	(ppv @ 1,520 ft)	(ppv @ 2,280 ft)	(ppv @ 2,474 ft)	(ppv @ 6,677 ft)
Large bulldozer	0.0	0.0	0.0	0.0
Small bulldozer	0.0	0.0	0.0	0.0
Jackhammer	0.0	0.0	0.0	0.0
Loaded trucks	0.0	0.0	0.0	0.0
<b>Mt. SAC Significance Criteria</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>
<b>Exceeds Criteria?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
ppv: peak particle velocity; Max: maximum; avg: average; ft: feet Source: USEPA 1971 (Calculations can be found in Attachment B)				

As shown in Table 5, ppv would not exceed the criteria threshold. These vibration levels are effectively zero due to the large distance between the construction site and off-site vibration-sensitive uses. Because vibration levels would be below the significance thresholds, vibration generated by the Project’s construction equipment would not be expected to generate strongly perceptible levels of vibration at the nearest uses and would result in less than significant vibration impacts related to vibration annoyance.

**Question NOI-3 Would the Project result in a substantial permanent increase in ambient noise levels in the Project vicinity above levels existing without the Project?**

**Less than Significant Impact.** Operation of the proposed Project would not generate additional bus traffic along roadways in the project vicinity. Because the Project would not result in any additional bus trips, traffic-related noise would not increase along the bus routes. As such, the impact on traffic noise levels would be less than significant, and no mitigation is required.

**Question NOI-4 Would the Project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the Project?**

**Less Than Significant Impact.** As discussed under Question NOI-1, construction noise would occur on a temporary basis, and noise levels would intermittently exceed ambient noise levels. Construction would be limited to the hours of 7:00 am to 7:00 pm, as prescribed by the Mt. SAC 2016 CEQA Significance Thresholds; therefore, temporary noise increases would not be substantial, and the impact would be less than significant.

**Question NOI-5 For a project located within an airport land use plan or, where such plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in exposure of people residing or working in the Project area to excessive noise levels?**

**No Impact.** The project site would not result in the development of noise-sensitive uses, such as residences, or expose people working in the project area to excessive noise levels. The project site is not located within 2 miles of a public airport. Aircraft overflights do not significantly contribute to the noise

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environment at the project site, and the Project would not expose future Project workers or bus passengers to excessive noise levels. No impact would occur.

**Question NOI-6 For a project within the vicinity of a private airstrip, would the Project result in exposure of people residing or working in the Project area to excessive noise levels?**

**No Impact.** The proposed Project would not result in the development of noise-sensitive uses, such as residences, or expose people working in the project area to excessive noise levels. The project site is not located within 2 miles of a private airstrip. Aircraft overflights do not significantly contribute to the noise environment at the project site, and the Project would not expose future Project workers or bus passengers to excessive noise levels. No impact would occur.

**MITIGATION MEASURES**

No significant noise or vibration impacts would occur due to Project-related construction or operations phases. As such, no mitigation measures are needed.

**CONCLUSION**

The proposed Project was analyzed for potential noise and vibration impacts from both the construction and operational phases. The proposed Project would result in less than significant impacts in exposure of persons to noise levels as defined in Mt. SAC's established thresholds and the City of Walnut General Plan Noise Element (Walnut 1978). The Project would result in less than significant impacts for groundborne vibration and groundborne noise levels. The Project would not result in a substantial permanent or temporary increase in ambient noise levels in the Project vicinity above existing levels (without the Project), and impacts would be less than significant. The Project would also not result in the exposure of people residing or working in the project area to excessive noise levels from private or public airports. In conclusion, the Project would have no significant impacts for all Project-related noise and vibration impacts.

Thank you for the opportunity to assist on this Project. If you have any questions or comments, please contact me at (626) 351-2000.

Sincerely,

**P S O M A S**



Tin Cheung  
Director of Air Quality, Climate Change and Noise Services

Attachment A – Noise Calculations



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**ATTACHMENT A**  
**NOISE CALCULATIONS**

## Construction Generated Noise

Building Type	Distance (ft)
<b>Construction Noise at 50 Feet (dBA Leq)</b>	50
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>
Ground Clearing/Demolition	83
Excavation	71
Foundation Construction	77
Building Construction	72
Finishing and Site Cleanup	74

<b>Residences to the North</b>	
<b>Maximum Construction Noise (dBA Leq)</b>	1,520
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>
Ground Clearing/Demolition	53
Excavation	41
Foundation Construction	47
Building Construction	42
Finishing and Site Cleanup	44
<b>Average Construction Noise (dBA Leq)</b>	1,520
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>
Ground Clearing/Demolition	53
Excavation	41
Foundation Construction	47
Building Construction	42
Finishing and Site Cleanup	44

<b>Residents to the West</b>	
<b>Maximum Construction Noise (dBA Leq)</b>	2,280
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>
Ground Clearing/Demolition	50
Excavation	38
Foundation Construction	44
Building Construction	39
Finishing and Site Cleanup	41
<b>Average Construction Noise (dBA Leq)</b>	2,280
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>
Ground Clearing/Demolition	50
Excavation	38
Foundation Construction	44
Building Construction	39
Finishing and Site Cleanup	41

<b>Residences to the South</b>		
<b>Maximum Construction Noise (dBA Leq)</b>		2,474
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>	
Ground Clearing/Demolition	49	
Excavation	37	
Foundation Construction	43	
Building Construction	38	
Finishing and Site Cleanup	40	
<b>Average Construction Noise (dBA Leq)</b>		2,474
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>	
Ground Clearing/Demolition	49	
Excavation	37	
Foundation Construction	43	
Building Construction	38	
Finishing and Site Cleanup	40	
<b>Residences to the East</b>		
<b>Maximum Construction Noise (dBA Leq)</b>		6,677
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>	
Ground Clearing/Demolition	40	
Excavation	28	
Foundation Construction	34	
Building Construction	29	
Finishing and Site Cleanup	31	
<b>Average Construction Noise (dBA Leq)</b>		6,677
<b>Construction Phase</b>	<b>Minimum Required Equipment in Use<sup>1</sup></b>	
Ground Clearing/Demolition	40	
Excavation	28	
Foundation Construction	34	
Building Construction	29	
Finishing and Site Cleanup	31	
Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Office Building, Hotel, Hospital, School, and Public Works.		

## Construction Generated Vibration

### Vibration Annoyance Criteria

<b>Residences to the North</b>		<b>Closest Distance (feet):</b>		<b>1,520</b>
	<b>Approximate RMS a</b>		<b>Approximate RMS</b>	
	<b>Velocity at 25 ft,</b>		<b>Velocity Level,</b>	
<b>Equipment</b>	<b>inch/second</b>		<b>inch/second</b>	
Large bulldozer	0.089		0.000	
Small bulldozer	0.003		0.000	
Jackhammer	0.035		0.000	
Loaded trucks	0.076		0.000	
	<b>Criteria</b>		<b>0.900</b>	
<b>Residents to the West</b>		<b>Closest Distance (feet):</b>		<b>2,280</b>
	<b>Approximate RMS a</b>		<b>Approximate RMS</b>	
	<b>Velocity at 25 ft,</b>		<b>Velocity Level,</b>	
<b>Equipment</b>	<b>inch/second</b>		<b>inch/second</b>	
Large bulldozer	0.089		0.000	
Small bulldozer	0.003		0.000	
Jackhammer	0.035		0.000	
Loaded trucks	0.076		0.000	
	<b>Criteria</b>		<b>0.900</b>	
<b>Residences to the South</b>		<b>Closest Distance (feet):</b>		<b>2,474</b>
	<b>Approximate RMS a</b>		<b>Approximate RMS</b>	
	<b>Velocity at 25 ft,</b>		<b>Velocity Level,</b>	
<b>Equipment</b>	<b>inch/second</b>		<b>inch/second</b>	
Large bulldozer	0.089		0.000	
Small bulldozer	0.003		0.000	
Jackhammer	0.035		0.000	
Loaded trucks	0.076		0.000	
	<b>Criteria</b>		<b>0.900</b>	
<b>Residences to the East</b>		<b>Closest Distance (feet):</b>		<b>6,677</b>
	<b>Approximate RMS a</b>		<b>Approximate RMS</b>	
	<b>Velocity at 25 ft,</b>		<b>Velocity Level,</b>	
<b>Equipment</b>	<b>inch/second</b>		<b>inch/second</b>	
Large bulldozer	0.089		0.000	
Small bulldozer	0.003		0.000	
Jackhammer	0.035		0.000	
Loaded trucks	0.076		0.000	
	<b>Criteria</b>		<b>0.900</b>	

## Construction Generated Vibration

### Structural Damage Criteria

<b>Residences to the North</b>		<b>Closest Distance (feet):</b>	<b>1,520</b>
	<b>Approximate RMS a Velocity at 25 ft, inch/second</b>	<b>Approximate RMS Velocity Level, inch/second</b>	
Equipment			
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	<b>Criteria</b>	<b>0.300</b>	
<b>Residents to the West</b>		<b>Closest Distance (feet):</b>	<b>2,280</b>
	<b>Approximate RMS a Velocity at 25 ft, inch/second</b>	<b>Approximate RMS Velocity Level, inch/second</b>	
Equipment			
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	<b>Criteria</b>	<b>0.300</b>	
<b>Residences to the South</b>		<b>Closest Distance (feet):</b>	<b>2,474</b>
	<b>Approximate RMS a Velocity at 25 ft, inch/second</b>	<b>Approximate RMS Velocity Level, inch/second</b>	
Equipment			
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	<b>Criteria</b>	<b>0.300</b>	
<b>Residences to the East</b>		<b>Closest Distance (feet):</b>	<b>6,677</b>
	<b>Approximate RMS a Velocity at 25 ft, inch/second</b>	<b>Approximate RMS Velocity Level, inch/second</b>	
Equipment			
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	<b>Criteria</b>	<b>0.300</b>	

Based on distance to nearest structure

<sup>1</sup> Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2006).